Drinking Water Surveillance Program

FORT ERIE (ROSEHILL) WATER TREATMENT PLANT

Annual Report 1989



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FORT ERIE (ROSEHILL) WATER TREATMENT PLANT

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

FORT ERIE WATER TREATMENT PLANT 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The Fort Erie (Rosehill) Water Treatment Plant is a conventional treatment plant which treats water from Lake Erie. The process consists of coagulation, flocculation, sedimentation, filtration and disinfection. This plant has a design capacity of 50 x 1000 $\rm m^3/day$ and serves a population of approximately 25,000.

Water samples from the raw, treated and two distribution system sites were taken on a monthly basis and analyzed for the presence of approximately 180 parameters. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organics (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polyaromatic Hydrocarbons, Specific Pesticides and Volatiles). Samples were analyzed Specific Pesticides and Chlorophenols in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters (Laboratory Chemistry, Field Chemistry and Metals) were below any applicable health related guidelines.

Samples were analyzed monthly for the presence of approximately 110 Organics. Levels did not exceed health related guidelines.

During 1989, the DWSP sampling results indicated that the Fort Erie (Rosehill) Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

DRINKING WATER SURVEILLANCE PROGRAM FORT E

FORT ERIE (ROSEHILL WIP)

SUMMARY TABLE BY SCAN

SCAN	TESTS	RAW POSITIVE X	VE %POSITIVE	TESTS	RAW TREATED SITE 1 TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE XPOSITIVE	DSITIVE	SI TESTS	SITE 1 S POSITIVE XF	OSITIVE	S TESTS	SITE 2 S POSITIVE 3	POSITIVE
BACTERIOLOGICAL	30	91	63	30	2	•	21	~	33	54	10	41
CHEMISTRY (FLD)	22	82	100	69	69	100	&	٤	28	11	8	4
CHEMISTRY (LAB)	233	195	28	252	182	2	315	78%	8	8	566	68
METALS	265	160	8	288	149	51	422	549	29	376	213	28
CHLORDAROMATICS	168	0	0	168	0	0	126	0	0	112	0	0
CHLOROPHEMOLS	12	0	0	12	0	0	٠	٠		٠	٠	٠
РАН	171	0	0	192	0	0	•	٠	٠	٠	٠	٠
PESTICIDES & PCB	807	0	0	408	0	0	241	0	0	220	0	0
PHENOLICS	12	6 0	8	12	60	8	٠	•		٠	٠	
SPECIFIC PESTICIDES	53	0	0	99	0	0	0	0	0	€0	0	٥
VOLATILES	348	-	0	348	87	13	232	32	13	232	32	13
	1744	421		1844	458		1461	159		1345	581	

NO KNOWN HEALTH-RELATED GUIDELINES WERE EXCEEDED

A POSITIVE VALUE DEMOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A 1.º INDICATES THAT NO SAMPLE WAS TAKEN

TOTAL

DRINKING WATER SURVEILLANCE PROGRAM

FORT ERIE (ROSEHILL) WATER TREATMENT PLANT 1989 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

Limited DWSP sampling was initiated at the Fort Erie (Rosehill) Water Treatment Plant in February of 1987; the full program began in June. Annual reports were published for 1987 and 1988 (ISSN 0840-5182).

This report contains information and results for 1989.

In order to accommodate the increasing number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a comprehensive discussion of the results. For more detail on the parameters analyzed and discussion of results, consult the 1987 and 1988 reports.

PLANT DESCRIPTION

The Fort Erie (Rosehill) Water Treatment Plant is a conventional treatment plant which treats water from Lake Erie. The process consists of coagulation, flocculation, sedimentation, filtration and disinfection. Powdered activated carbon is used for taste and odour control when necessary. This plant has a design capacity of 50 x 1000 $\rm m^3/day$ and flows on day of sampling ranging from 10 x 1000 $\rm m^3/day$ to 30 x 1000 $\rm m^3/day$. The plant serves a population of approximately 25,000.

The plant location is shown in Figure 1. Plant Process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

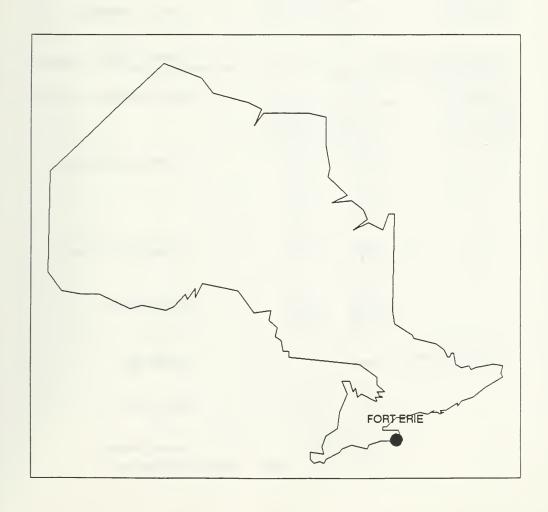
SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

Water at the Fort Erie (Rosehill) Water Treatment Plant and two distribution locations was sampled for the presence of approximately 180 parameters monthly in 1989. Samples were analyzed for Specific Pesticides and Chlorophenols in June and November only. Polyaromatic Hydrocarbons and Phenolics are only analyzed in the raw and treated water at the plant.

FIGURE 1

DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP FORT ERIE WATER TREATMENT PLANT



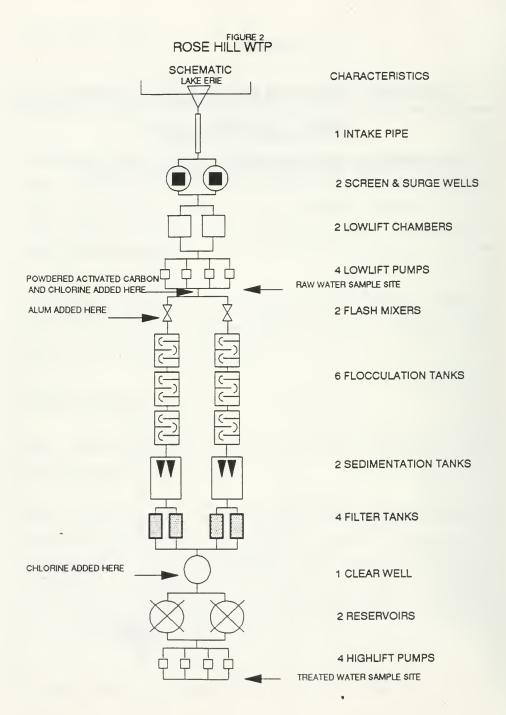


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

IN-PLANT MONITORING FORT ERIE (ROSEHILL) WTP 1989

PARAMETER	LOCATION	FREQUENCY
Chlorine residual-free	Lowlift discharge Settled water Filtered water Clear well Highlift discharge	continuous every 4 hrs every 4 hrs continuous every 4 hrs
Temperature	Raw water	continuous
Turbidity	Lowlift discharge Settled water Filtered water Filtered water Highlift discharge	continuous every 4 hrs continuous every 4 hrs every 4 hrs

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT GENERAL INFORMATION

Fort Erie (Rosehill) WATER SUPPLY SYSTEM

LOCATION: ROSEHILL ROAD

Fort Erie (Rosehill), ONTARIO

(416-871-3551)

SOURCE: RAW WATER SOURCE - LAKE ERIE

RATED CAPACITY: 50 (1000 M3/DAY)

OPERATION: MUNICIPAL

PLANT SUPERINTENDENT: MR. H. HODGSON

MINISTRY REGION: WEST CENTRAL

DISTRICT OFFICER: MR. J. MAYES

MUNICIPALITY POPULATION SERVED

Fort Erie (Rosehill) 25,000

As of August 1989, the analysis of Triazine pesticides was dropped from the distribution sample. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered on the DWSP database as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed by parameter and by water type. The number of times that a positive or trace result was detected is also reported. Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed in the DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each scan.

DISCUSSION

General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters. These are currently under review. When an ODWO is not available, guidelines/limits from other agencies are consulted. The Parameter Listing System (PALIS), recently published (ISSN 7729-4461-X) by the MOE, catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND

ORGANICS WITH DETECTED POSITIVE RESULTS.

Results of the treated and distributed water indicate that no health related ODWO was exceeded during 1989.

Bacteriology

Standard Plate Count

The ODWO for standard plate count of 500 counts/mL was exceeded in the June and July distribution samples indicating some deterioration in water quality.

Inorganic and Physical Parameters

Colour

The aesthetic ODWO of 5 True Colour Units (TCU) was exceeded seven times in the distribution system.

Hardness

The ODWOs indicate that a hardness level of between 80 and 100 mg/L, as calcium carbonate for domestic waters, provides an acceptable balance between corrosion and encrustation. Water supplies with a hardness greater than 200 mg/L are considered poor and would possess a tendency to form scale deposits and result in excessive soap consumption.

Aluminum

The plant operational guideline of 100 $\mu g/L$ as Al in water leaving the plant was exceeded in seven treated and distributed water samples.

Iron

The aesthetic ODWO for Iron of 300 $\mu g/L$ was exceeded three times at one distribution system site.

Organic Parameters

Trihalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. All Total THM occurrences, ranging from 18.0 to $46.9~\mu g/L$, were well below the ODWO of $350~\mu g/L$.

CONCLUSIONS

Results listed in this report for 1989 are consistent with results reported for previous years.

No health related water quality guidelines were exceeded.

The treated water was of good quality and this was maintained in the distribution system.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) SAMPLE DAY CONDITIONS FOR 1989

SAMPLE DI	SAMPLE DAT CONDITIONS	2		בייייייייייייייייייייייייייייייייייייי		
		PRE-CHLORINATION	COAGULATION		POST-CHLORINATION	TASTE & COCUR
DELAY* TIME(HRS)	FLOW (1000M3)	CHLORINE	ALUM LIQUID	POLYALUMINUM CHLORIDE	CHLORIME	ACTIVATED CARBOM POLIDER
JAH 24 .7	13.0	1.10	6.50	AM 24 .7 13.0 1.10 6.50	.25	٠
FEB 22 23.4	10.0	к.	9.00		.25	•
	12.0	.65	00.4		.25	•
APR 25 23.5	10.0	1,15		2.00	57.	٠
	14.0	%	9.00		.35	•
JUN 20 23.9	14.0	1.25	00.4		.30	. *
JUL 25 23.5	30.0	1.95	5.00		07.	3.00
AUG 29 23.5	25.0	5.1	5.50		07.	1.00
SEP 18 23.5	15.0	1.45	4.00		.35	•
	0.	1.20	5.50		.25	•
NOV 28 23.0	12.0	.85	9.00		.30	
DEC 19 22.0	12.0	.65	9.00		.30	

* THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

		TOTAL	ATAN STILE STATE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRACE	TOTAL POSITI	SITIVE	TRACE	TOTAL	2 0	TRACE	TOTAL PO	POSITIVE	TRACE
BACTERIOLOGICAL	FECAL COLIFORM MF	2		0					:			٠	
	STANDRO PLATE CNT MF	•	•	•	10	2	0	7	4	0	80	7	0
	TOTAL COLIFORM MF	10	5	0	10	0	0	7	0	0	60	.0	0
	T COLIFORM BCKGRD MF	10	10	0	10	0	°	7	m	0	60	9	0
*TOTAL SCAN BACTERIOLOGICAL	DGICAL	30		0	30	2	0	21	7	0	54	10	0
*TOTAL GROUP BACTERIOLOGICAL	LOGICAL	30	19	0	30	2	0	21	7	0	54	5	0
CHEMIS (FLD)	CHEMIS (FLD) FLD CHLORINE (COMB)	2	2	0	12	12	0	15	٥	0	10	2	0
	FLO CHLORINE FREE	2	2	6	12	12	0	18	18	0	15	7	0
	FLD CHLORINE (TOTAL)	2	2	0	12	12	0	100	100	0	14	0	0
	FLD PH	٥	٥	0	٥	٥	0	16	16	0	16	16	0
	FLD TEMPERATURE	=	=	0	12	12	0	1 0	18	0	16	16	0
	FLO TURBIDITY	12	12	0	12	12	0	10	0	0	٥	٥	0
*TOTAL SCAN CHEMISTRY (FLD)	(FLD)	88	8 2	0	69	69	0	8	2	0	11	8	0
CHEMISTRY (LAB) ALKALINITY	ALKALINITY	=	=	0	12	12	0	17	17	0	16	16	0
	CALCTUM	=	=	0	12	12	0	17	17	0	16	16	0
	CYANIDE	12	0	-	12	0	0	٥	0	0	60	0	0
	CHLORIDE	Ξ	=	0	12	12	0	16		0	16	16	0
	COLOUR	=	7	7	12	0	12	17		-	16	16	0
		•					•		!	•	•		4

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

		2110											
7466			RAW		TRE	TREATED		S	SITE 1		SITE 2	E 2	
SCAM	PAKATE LEK	IOIAL	IDIAL PUSITIVE INAUE	KACE	JUIAL	JUIAL POSITIVE TRACE TOTAL POSITIVE TRACE	RACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE	SITIVE	TRACE
CHEMISTRY (LAB)	FLUORIDE	Ξ	11	0	12	12	0	17	17	0	16	2	0
	HARDNESS	Ξ	Ξ	0	12	12	0	17	17	0	16	16	0
	IONCAL	12	Ξ	0	12	12	0	18	16	0	16	16	0
	LANGELIERS INDEX	=	=	0	12	12	0	17	17	0	16	16	0
3	MAGNESTUM	=======================================	=	0	12	12	0	17	17	0	16	16	0
}	SODIUM	Ξ	Ξ	0	15	12	0	17	17	0	16	16	0
	AMMONIUM TOTAL	Ξ	60	-	15	-	7	17	=	2	16	40	m
	MITRITE	Ξ	7	4	12	-	٥	17	4	12	16	2	14
	TOTAL NITRATES	=	=	0	12	=	-	17	17	0	16	16	0
	NITROGEN TOT KJELD	=	=	0	12	12	0	17	17	0	16	16	0
	РН	Ξ	=	0	12	12	0	17	17	0	16	16	0
	PHOSPHORUS FIL REACT	Ξ	-	S	12	0	2	٠	٠	•		٠	•
	PHOSPHORUS TOTAL	Ξ	10	-	12	2	٥	•	٠	٠	•	٠	٠
	SULPHATE	1	Ξ	0	12	12	0	17	17	0	16	16	0
	TURBIDITY	Ξ	=	0	12	Ξ	-	17	17	0	16	16	0
*TOTAL SCAN CHEMISTRY (LAB)	(LAB)	233	195	19	252	. 281	3	315	28%	15	%	992	17
HETALS	SILVER	=	0	2	12	0	4	==	o	•	16	-	`
	ALUMINUM	Ξ	=	0	12	12	0	18	18	0	16	15	-
	ARSENIC	=	9	5	12	2	9	18	-	15	16	-	13
	BARIUM	Ξ	=	0	12	12	0	18	18	0	9	16	0
	BORON	Ξ	000	-	12	12	0	18	17	-	16	15	_
	BERYLLIUM	Ξ	0	9	12	0	7	18	0	7	16	0	80

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

		SITE	RAN		TREATED			SI	SITE 1		S	SITE 2	
SCAM	PARAMETER	TOTAL	TOTAL POSITIVE TRACE		TOTAL POSITIVE TRACE	IVE TR		JTAL P	TOTAL POSITIVE TRACE	TRACE		TOTAL POSITIVE TRACE	TRACE
METALS	CADMIUM	÷	0	2	12	0	m	18	0	7	16	м	7
	COBALT	=	0	=	12	0	=	18	0	17	16	0	15
	CHROMIUM	-	•	S	12	60	7	18	=	4	16	10	2
	COPPER	=	10	-	12	٥	~	92	18	0	16	15	-
	IRON	=	•	\$	12	0	4	18	17	-	16	15	0
	MERCURY	-	6	m	12	80	4	٥	7	2	60	0	4
	MANGANESE	=	=	0	12	٥	۳	18	18	0	16	15	0
	MOLYBDENUM	=	=	0	12	12	0	18	18	0	16	16	0
	NICKEL	=	m	60	12	7	10	18	7	Ξ	16	7	Ξ
	LEAD	Ξ	10	-	12	4	9	100	17	-	16	15	-
	ANTIMONY	Ξ	=	0	12	12	0	60	18	0	16	16	0
	SELENTUM	Ξ	0	9	12	-	6	18	0	17	16	2	Ξ
	STRONTIUM	=	=	0	12	12	0	18	18	0	16	16	0
	TITANIUM	=======================================	=	0	12	10	2	90	14	4	16	Ξ	S
	THALLIUM	=	0	M	12	0	S	18	0	7	16	0	9
	URANIUM	=	10	-	12	=	-	17	15	7	16	13	m
	VANADIUM	=	2	0	12	0	12	10	0	100	16	0	16
	ZINC	=	=	0	12	0	7	5	17	-	16	15	-
*TOTAL SCAN METALS		56	99	2	288	149	76	422	549		376	213	111
*TOTAL GROUP INORGANIC & PHYSICAL	C & PHYSICAL	536		6		007	138	832	612	135	476	539	128
								1					

0 0

60 60

0 0

0 0

0 0

12

0 0

12

HEXACHLOROBUTADIENE 123 TRICHLOROBENZENE

CHLOROAROMATICS

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

		SITE	34		18	TREATED		SITE	-		SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL P	TOTAL POSITIVE TRACE	CE	TOTAL POS	TOTAL POSITIVE TRACE		TOTAL POSITIVE TRACE	TRAC	ш
CHLOROAROMATICS	1234 T-CHLOROBENZENE	12	0	0	12	0	0	٥	0	0	8		
	1235 T-CHLOROBENZENE	12	0	0	12	0	0	٥	0	0	8 0		0
	124 TRICHLOROBENZENE	12	0	0	12	0	0	6	0	0	8 0		0
	1245 T-CHLOROBENZENE	12	0	0	12	0	0	٥	0	0	8 0		0
	135 TRICHLOROBENZENE	12	0	0	12	0	0	0	0	0	8		0
	HCB	12	0	0	12	0	0	6	0	0	8		0
	HEXACHLOROETHANE	12	0	0	12	0	0	6	0	0	8		0
	OCTACHLOROSTYRENE	12	0	0	12	0	0	6	0	0	8		0
	PENTACHLOROBENZENE	12	0	0	12	0	0	٥	0	0	8		0
	236 TRICHLORDTOLUENE	12	0	0	12	0	0	6	0	0	8		0
	245 TRICHLOROTOLUENE	12	0	0	12	0	0	6	0	0	8		0
	26A TRICHLOROTOLUENE	12	0	0	12	0	0	٥	0	0	8		0
*TOTAL SCAN CHLOROAROMATICS	ROMATICS	168	0	0	168	0	0	126	0	0	112 0		0
S IONEHOOOD INC	CHICADONEMOIC 234. TRICHICADONEMOI	`	•	-	^	o	۰						:
	2345 T-CHLOROPHENOL	7	0	0	2	0	0	•					
	2356 T-CHLOROPHENOL	2	0	0	2	0	0		•				
	245-TRICHLOROPHENOL	2	0	0	2	0	0						
	246-TRICHLOROPHENOL	2	0	0	2	0	0						
	PENTACHLOROPHENOL	2	0	0	7	0	0						
		ţ	c	c	ç	c	c	c	•				
"IDIAL SCAN CHLOROPHENOLS	MEMOLS	7	•	-	7	>	>	•	•	•			,

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW	TRACE	TREATED TOTAL POSIT	ED ITIVE TRA	H H	SITE 1 OTAL POSIT	IVE TRA	# #	RAW TREATED SITE 1 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	18	ä
PAH	PHENANTHRENE	=	0	0	12	0							
	ANTHRACENE	=	0	0	12	0	0						
	FLUORANTHENE	Ξ	0	0	12	0	0		•				
	PYRENE	=	0	0	12	0	0						
	BENZO(A)ANTHRACENE	Ξ	0	0	12	0	0				•		
	CHRYSENE	1	0	0	12	0	0						
	DIMETH. BENZ(A)ANTHR	9	0	0	9	0	0						
	BENZO(E) PYRENE	11	0	0	12	0	0				•		•
	BENZO(B) FLUORANTHEN	1	0	0	12	0	0						
	PERYLENE	=	0	0	12	0	0						•
	BENZO(K) FLUORANTHEN	Ξ	0	0	12	0	0				•		•
	BENZO(A) PYRENE	9	0	0	9	0	0						
	BENZO(G, N, I) PERYLEN	=	0	0	12	0	0				•		
	DIBENZO(A, H) ANTHRAC	Ξ	0	0	12	0	0	•					
	INDENO(1,2,3-C,D) PY	Ξ	0	0	12	0	0				•		
	BENZO(B) CHRYSENE	=	0	0	12	0	0						
	CORONENE	=	0	0	12	0	0	•			•		
*TOTAL SCAN PAH		171	0	0	192	0	0	0	0	0	0	0	0
0.00	A GO A	45	•	•	5	•		c			a		
8 2000	ALPHA BHC	12	0	· ~	12		9	• •	. 0	-	o eo		۰ ۸
	BETA BHC	12	0	0	12		0	•	0	0	60	0	0
	LINDANE	12	0	0	12	0	0	6	0	0	80	0	-

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

PESTICIDES & PCB

SCAN

	SITE												
PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TOTAL	TREATED TOTAL POSITIVE TRACE	TRACE		SITE 1 TOTAL POSITIVE TRACE	TRACE		SITE 2 TOTAL POSITIVE TRACE	TRAC	ņų
ALPHA CHLORDANE	12	0	0	12	0	0	6	0	0	60	0		: 。
GAMMA CHLORDANE	12	0	0	12	0	0	٥	0	0	60	0		0
DIELORIN	12	0	0	12	0	0	٥	0	0	60	0		0
METHOXYCHLOR	12	0	0	12	0	0	٥	0	0	60	0		0
ENDOSULFAN 1	12	0	0	12	0	0	٥	0	0	60	0		0
ENDOSULFAN 11	12	0	0	12	0	0	٥	0	0	60	0		0
ENDRIN	12	0	0	12	0	0	٥	0	0	60	0		0
ENDOSULFAN SULPHATE	12	0	0	12	0	0	٥	0	0	60	0		0
HEPTACHLOR EPOXIDE	12	0	0	12	0	0	٥	0	0	60	0		0
HEPTACHLOR	12	0	0	12	0	0	٥	0	0	60	0		0
MIREX	12	0	0	12	0	0	0	0	0	60	0		0
OXYCHLORDANE	12	0	0	12	0	0	٥	0	0	80	0		0
OPDDT	12	0	0	12	0	0	٥	0	0	80	0		0
PCB	12	0	0	12	0	0	٥	0	0	60	0		0
000	12	0	0	12	0	0	٥	0	0	60	0		0
PPDDE	12	0	0	12	0	0	0	0	0	*0	0		0
PPDDT	12	0	0	12	0	0	0	0	0	•0	0		0
AMETRINE	12	0	0	12	0	0	4	0	0	4	0		0
ATRAZINE	12	0	0	12	0	0	4	0	0	7	0		0
ATRATONE	12	0	0	12	0	0	4	0	0	4	0		0
CYANAZINE (BLADEX)	12	0	0	12	0	0	4	0	0	7	0		0
D-ETHYL ATRAZINE	12	0	0	12	0	0	4	0	0	4	0		0
D-ETHYL SIMAZINE	12	0	0	12	0	0	4	0	0	4	0		0
PROMETONE	12	0	0	12	0	0	4	0	0	4	0		0
PROPAZINE	12	0	0	12	0	0	4	0	0	4	0		0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAW		TREATED	reo		SITE 1	-		SITE 2	2	
SCAN	SCAN PARAMETER	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL I	TRACE	TOTAL PO	SITIVE TR	ACE	TOTAL POS	ITIVE T	RACE	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TIVE	RACE
PESTICIDES & PCB	PROMETRYNE	12	0	0	12	0	0	4	0	0	4	0	0
	METRIBUZIN (SENCOR)	12	0	0	12	0	0	4	0	0	4	0	0
	SIMAZINE	12	0	0	15	0	0	4	0	0	4	0	0
	ALACHLOR (LASSO)	12	0	0	12	0	0	4	0	0	4	0	0
	METOLACHLOR	12	0	0	12	0	0	4	0	0	4	0	0
*TOTAL SCAN PESTICIDES & PCB	ES & PCB	408	0	7	80%	0	•	241	0	4	220	0	m
PHENOL I CS	PHEMOLICS PHEMOLICS	12	12 8	7	4 12	60	4	1 1 1 1 1 1			, ,		
*TOTAL SCAN PHENOLICS	ş;	12	60	4	12	€0	4	0	0	0	0	0	0
SPECIFIC PESTICIDES	SPECIFIC PESTICIDES TOXAPHENE	12	0	0	12	0	0	٥	0	0	0 0 8	0	٥
	2,4,5-T	2	0	0	2	0	0	٠		•		٠	•
	2,4-0	2	0	0	2	0	0	٠	٠	•		٠	٠
	2,4-08	2	0	0	2	0	0		•	٠		•	•
	2,4 D PROPIONIC ACID	2	0	0	7	0	0			•		٠	•
	DICAMBA	2	0	0	7	0	0			•		•	•
	PICHLORAM	0	0	0	0	0	0			۰		٠	٠
	SILVEX	2	0	0	7	0	0			٠		•	٠
	DIAZINON	•	0	0	2	0	0			•		٠	٠
	DICHLOROVOS	-	0	0	7	0	0	•		•		٠	٠
	CHLORPTRIFOS	-	0	0	2	0	0	•	•	٠		٠	•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

		SITE										
SCAN	PARAMETER	TOTAL	RAW POSITIVE	TRACE	TREATED TOTAL POSIT	RAW TREATED SITE 1 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	ř.	SITE 1 ITAL POSITI	VE TRACE	S TOTAL	SITE 2 POSITIVE	TRACE
SPECIFIC PESTICIDES ETHION	ETHION	-	0	0	2	0						
	AZIMPHOS-METHYL	0	0	0	0	0	0				•	•
	MALATHION	-	0	0	2	0	0			٠	٠	•
	MEVINPHOS	-	0	0	2	0	0			٠	•	•
	METHYL PARATHION	-	0	0	2	0	0		•	٠	•	۰
	METHYLTRITHION	-	0	0	2	0	0			٠	•	•
	PARATHION	-	0	0	2	0	0					٠
	PHORATE	-	0	0	2	0	0	•		٠	•	٠
	RELDAM	-	0	0	2	0	0				•	٠
	ROMNEL	-	0	0	2	0	0				•	•
	AMINOCARB	0	0	0	0	0	0				•	۰
	BEHONYL	-	0	0	-	0	0		•	٠	•	٠
	BUX	0	0	0	0	0	0		•		•	•
	CARBOFURAN	2	0	0	2	0	0				٠	٠
	CICP	2	0	0	2	0	0			•	•	٠
	DIALLATE	2	0	0	2	0	0		•	٠	•	٠
	EPTAN	2	0	0	2	0	0		•		•	•
	IPC	2	0	0	2	0	0			٠	٠	٠
	PROPOXUR	2	0	0	2	0	0	•			•	•
	CARBARYL	2	0	0	2	0	0				•	•
	BUTYLATE	2	0	0	7	0	0					٠
*TOTAL SCAN SPECIFIC PESTICIDES	PESTICIDES	53	0	0	92	0	0	٥	0	80	0	0
VOLATILES		12	-	•	12	c		æ	0			-
OLAIILES	BENZENE	7			71	>	-	0			>	

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAN		Ξ	REATED		S	SITE 1			SITE 2	
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
VOLATILES	TOLUENE	12	0	2	12	0	4	60	0	-	80	0	
	FTHYI RENZEME	12	0	0	12	0	-	60	0	0	60	0	

PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	SITIVE	IKACE	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	IKACE	TOTAL	POSITIVE	IKACE	
TOLUENE	12	0	~	12	0	4	60	0	-	80			
ETHYLBENZENE	12	0	0	12.	0	-	80	0	0	80	J	2	•
P-XYLENE	12	0	0	12	0	0	80	0	0	80	_	_	_
M-XYLENE	12	0	0	12	0	0	8	0	0	80	_	_	_
O-XYLENE	12	0	0	12	0	-	80	0	0	80	•	_	_
STYRENE	12	0	10	12	0	6	80	0	2	80	_	•	~
1,1 DICHLOROETHYLENE	12	0	0	12	0	0	80	0	0	80		_	0
METHYLENE CHLORIDE	12	0	0	12	0	0	80	0	0	80		_	0
T1, 20 I CHLOROE THY LENE	12	0	0	12	0	0	60	0	0	60		_	0
1,1 DICHLOROETHANE	12	0	0	12	0	0	•0	0	0	80		_	0
CHLOROFORM	12	0	2	12	12	0	80	80	0	80	_		0
111, TRICHLOROETHANE	12	0	-	12	0	0	80	0	2	€0			٠.
1,2 DICHLOROETHANE	12	0	0	12	0	0	80	0	0	80		_	0
CARBON TETRACHLORIDE	12	0	0	12	0	0	80	0	-	80		_	0
1,2 DICHLOROPROPANE	12	0	0	12	0	0	80	•	0	80		_	0
TRICHLOROETHYLENE	12	0	0	12	0	0	80	•	0	60	_	_	0
DICHLOROBROMOMETHANE	12	-	-	12	12	0	80	•	0	60	_	_	0
112 TRICHLOROETHANE	12	0	0	12	0	0	80	•	0	•	_	_	_
CHLOROD I BROHOMETHANE	12	0	2	12	12	0	40	•	0	60	_		۰
T-CHLOROETHYLENE	12	0	0	12	0	m	40	0	-	•			_
BROMOFORM	12	0	0	12	0	10	80	0	7	60	_		7
1122 T. LHEOROETHANE	12	0	0	12	0	0	80	0	0	•0	_	_	0
CHLOROBENZENE	12	0	0	12	0	0	80	0	0	•			0
1,4 DICHLOROBENZENE	12	0	0	12	0	0	80	0	0	60		_	0
1,3 DICHLOROBENZENE	12	0	0	12	0	0	80	0	0	•	_	_	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE

SUMMARY TABLE OF RESULTS (1989)

	RAW TREATED SITE 1 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	0 0	0	0	32 20 32 23	151 185
	SIT TOTAL PO	60	80	6 0	232	1345
	IRACE	0	0	0	17	651 156 1345
	SITE 1 POSITIVE 1	0	0	€0	32	
	S TOTAL	60	80	40	232	1461
	TRACE	0	0	0	28	458 176
	TREATED	0	0	12	87 92	
	TR TOTAL	12	12	12	348	1844
	TRACE	0	0	2	31	421 122
	RAW POSITIVE	0	0	0	- 0	421
SITE	TOTAL	12	12	12	348	1744
	PARAMETER	UNIATILES 1.2 DICHLOROBENZEME 12 0 0 12 0 0 8 0 0 8 0 0	FINI YEKE DIBROMIDE	TOTL TRIHALOMETHANES		
	SCAN	VOLATILES			*TOTAL SCAN VOLATILES *TOTAL GROUP ORGANIC	TOTAL

KEY TO TABLE 5 and 6

- A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
 - 1. Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - 1*. MAC for Bacteriological Analyses
 Poor water quality is indicated when :
 - total coliform counts > 0 < 5
 - P/A Bottle Test is present after 48 hours
 - Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
 - Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
 - Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
 - 2. Interim Maximum Acceptable Concentration (IMAC)
 - 3. Maximum Desirable Concentration (MDC)
 - 4. Aesthetic or Recommended Operational Guideline - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
 - 1. Maximum Acceptable Concentration (MAC)
 - 2. Proposed MAC
 - 3. Interim MAC
 - Aesthetic Objective (AO) (for xylenes, the AO is a total)
- C WORLD HEALTH ORGANIZATION (WHO)
 - 1. Guideline Value (GV)
 - 2. Tentative GV
 - 3. Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - 1. Maximum Contaminant Level (MCL)
 - Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory
 - 4. EPA Ambient Water Quality Criteria
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
 - 1. Health Related Guideline Level
 - 2. Aesthetic Guideline Level
 - 3. Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:
1. Exclude the low-level data because of this uncertainty factor.
Studies of long-term environmental trends and modelling may however, be adversely affected by the exclusion of such data.
2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported with the code "<T". Results qualified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. The average of such data however, is still only an estimate of the amount of substance present subject to the possible biases of the method used.

LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
<t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IS	No Data: Insufficient Sample
!IV	No Data: Inverted Septum
!LA	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded

! NA	No Data: No Authorization To Perform Reanalysis
!NP	No Data: No Procedure
! NR	No Data: Sample Not Received
!OP	No Data: Obscured Plate
!QU	No Data: Quality Control Unacceptable
!RE	No Data: Received Empty
!RO	No Data: See Attached Report (no numeric results)
! SM	No Data: Sample Missing
!ss	No Data: Send Separate Sample Properly Preserved
!UI	No Data: Indeterminant Interference
!TX	No Data: Time Expired
A3C	Approximate, Total Count Exceeded 300 Colonies
APL	Additional Peak, Large, Not Priority Pollutant
APS	Additional Peak, Less Than, Not Priority Pollutant
CIC	Possible Contamination, Improper Cap
CRO	Calculated Result Only
PPS	Test Performed On Preserved Sample
RMP	P and M-Xylene Not Separated
RRV	Rerun Verification
RVU	Reported Value Unusual
SPS	Several Peaks, Small, Not Priority Pollutant
UAL	Unreliable: Sample Age Exceeds Normal Limit
UCR	Unreliable: Could Not Confirm By Reanalysis
ucs	Unreliable: Contamination Suspected
USD	Unreliable: Sample Decomposition Noted
UIN	Unreliable: Indeterminant Interference
XP	Positive After X Number of Hours
T# (T06)	Result Taken After # Hours

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERI	OLOGICAL				
FECAL COL	IFORM MF (CT/100	ML)	OET'N L	IMIT = 0	GUIDELINE =	0 (A1)
FEB	BOL					
MAR	BDL		•	•		
APR	0			•	•	•
MAY	0			•		•
JUN	59	•	•	•		••
JUL	0	•	•	•		•
AUG	0			•		•
OCT	1			•		•
NOA	2	•		•	•	•
DEC	90					
STANDED P	LATE CNT MF ()	DET'N L	IMIT = 0	GUIDELINE =	500/ML (A1)
FEB		0 <=>		6 <=>		
MAR		1 <=>		35 124		4 <=>
APR		0 <=>				290
MAY		0 <=>				0 <=>
JUN		0 <=>		53		900
JUL		17				1410
AUG		21		23		
OCT		2 <=>		67		129
NOV		0 <=>		1 <=>		5 <=>
DEC		0 <=>		0 <=>		6 <=>
TOTAL COL	IFORM MF (CT/100	ML)	DET'N L	IMIT = 0	GUIDELINE =	5/100HL(A1)
FEB	40	0.7/9		0.72/		
MAR		0 T48	•	0 T24	•	0 T24
APR	88 A3C BDL	0 T24	•	0 T24	•	
HAY	4	. 0	•	•	•	0
JUN	300 <=>	0	•	0	•	0
JUL	100 <=>	0	•	U	•	0 A3C
AUG	BDL	0	•		•	
OCT	220 <=>	0	•	0	•	0
NOV	230 A3C	0	•	0		0
DEC	250 A3C	0	•	0		0
T COLLEGE	BCKGRD MF (CT/	100ML \	DETIN I		CHIDELINE -	N/A
LOCIFOR		TOURL)	DETTNIC	IAII = U	GUIDELINE =	N/A
FEB	288	0 T48		0 T24		
MAR	6400 A3C	0 124		0 T24		6 T24
APR	2200 A3C	0				6
MAY	9600 >	0				0
JUN	40000 >	0		. 6		62
JUL	58000 A3C	0				510 A3C
AUG	48000 A3C	0		6		
OCT	14000 A3C	0		57		65
NOV	3000 A3C	0		0		4

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2		
			STANDING	FREE FLOW	STANDING	FREE FLOW	

DEC	3400 A3c	0		. 0		0	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
• • • • • • • • • • • • • • • • • • • •	CUENTET	OV (510)				
FLD CHLORINI		RY (FLD)	DET IN I	INIT = N/A	GUIDELINE =	N/A
LED CHEOKIN	c (cons) (,	DEI W.	1811 - N/N	GOIDELINE -	7,7
JAN		.150	.200	.200		
FEB		.070		.200		
MAR	.060	.050				
APR	•	.140				
HAY		.200				
JUN		. 180	.000	.000	.000	.000
JUL		.160			.000	.000
AUG		.020	.200	.200		
SEP		.160	.200	.000		
OCT		.180	.200	.000	.000	.000
NOV		.080	.200	.000	.050	.050
DEC	.020	.130	.200	.000	.000	.000
LD CHLORINE	FREE ()	DET'N L	IHIT = N/A	GUIDELINE =	N/A
JAN		.400	.100	.100		
FEB		.400	.100	.100		
MAR	.380	.400	.300	.100		.100
APR		.300				
MAY	·	.250				.100
JUN		.240	.300	.300	.000	.100
JUL		.400			.150	.100
AUG		.400	.100	.100		
SEP		.270	.100	.300		
OCT		.390	.100	.300	.000	.050
NOV		.420	.500	.300	.000	.000
DEC	.450	.400	.100	.300	.000	.100
LD CHLORINE	(TOTAL) ()	DET'N L	IMIT = N/A	GUIDELINE =	N/A
JAN		.550	.300	.300		
FEB	•	.470	.100	.300	•	•
MAR	.440	.450	.300	.100	•	.100
APR	.440	.440			•	.150
HAY		.450	•	•	.010	.100
JUN	•	.420	.300	.300	.000	.000
JUL	•	.560		.300	.150	.100
AUG	•	.420	.300	.300	. 150	. 100
SEP	•				•	•
0C7	•	.430	.300	.300	.000	.070
NOV		.570	.300	.300		
DEC	.470	.500 .530	.700 .300	.300	.050	.050
LD PH ()			IMIT = N/A	GUIDELINE =	
LU PH (,		DEI'N L	Inii = N/A	GUIDELINE =	0.3-8.3(A4)
JAN		•	7.800	7.600		
FEB	7.800	7.400	7.600	7.600		

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	8.100	7,800			7,600	7,600
MAY	7.700	7.300	•	•	7.800	7.800
JUN	7.900	7.500	7.800	7.800	7.800	7.600
JUL	7.700	7.500	7.000	7.000	7.800	7.800
AUG	•	•	7,600	7.800	7.500	7.000
SEP	7.600	8.000	7.000	7.000	•	•
OCT	8.000	7.800	7,600	7,800	7.800	7.800
NOV	8.000	7.800	7.600	7.800	7.400	7.400
DEC	7.800	7.800	7.600	7.600	7.400	7.400
DCC	7.000	7.000	7.000	7.000	7.400	7.400
LD TEMPE	RATURE (DEG.C)	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	2.000	2.000	12.000	7.000		
FEB	2.300	2.400	12.000	6.000		
MAR	3.800	3.200	11.000	7.000	4.000	7.000
APR	7.800	8.400			10.000	8.000
MAY	8.000	9.300			13.000	11.000
JUN	16.100	16.800	19.000	15.000	20.000	17.000
JUL		13.100			23.500	22.000
AUG	23.000	22.000	22.000	20.000		
SEP	20.000	20.000	20.000	19.000		
OCT	12.000	12.500	17,000	15.000	14.000	13.500
NOV	5.500	6.000	16.000	11.000	9.000	8.000
DEC	1.000	2.000	14.000	9.000	7.000	5.000
LD TURBIE	DITY (FTU)	DET'N LI	MIT = N/A	GUIDELINE =	1.0 (A1)
JAN	9,000	.190				
FEB	2.700	.200				
MAR	2,100	.210				.150
APR	1.700	.210	•	•	.200	.200
MAY	1.500	.200			.210	.230
JUN	2.550	.560	.000	.000		
JUL	1.400	.220			•	
AUG	1.500	.290	·		•	
SEP	.900	.350	.000	.000	•	
OCT	1,500	.130	.000	.000	.330	.310
NOV	14.000	.260	.000	.000	.120	.130
		.170	.000	.000	. 120	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIS	TRY (LAB)				
LKALINI	TY (MG/L)		DET'N L	MIT = .200	GUIDELINE =	30-500 (A4)
JAN	118	104.300	104.700	104.500		
FEB	111.100	107.200	107.600	107.800		
MAR	95.400	94.100	95.500	95.200	97.200	97.300
APR	107.700	106.000			107.200	107.400
MAY	102.200	97.900	•		99.200	98.900
JUN	98.300	93.800	96.100	95.600	96.900	95.500
JUL	106.100	100.700			101.700	100.900
AUG	99.600	94.500	95.800	95.700	•	
SEP	103.000	96.200	96.700	118		
OCT	103.700	99.400	101.300	101.500	101.300	101.400
NOV	103.800	101.900	106.400	104.000	103.600	103.000
DEC	106.900	101.900	101.300	100.900	100.900	100.500
ALCIUM	(MG/L)		DET'N L	IMIT = .100	GUIDELINE =	100 (F2)
JAN	HIS	40,400	40.000	40.800		
FEB	41.600	41.600	43.000	42.200		
MAR	36,000	36.800	37.600	37.600	37.600	37.800
APR	40,400	41.000			41.000	40.400
MAY	37,200	36.800			37.800	37.400
JUN	35.600	35.400	36.600	37.600	37.600	36.600
JUL	39.000	38.800			39.000	40.400
AUG	36.400	35.800	37.200	36.000		
SEP	36.800	37.200	37.800	115		
OCT	36.800	36.800	37.800	37.800	37.000	37.800
NOV	40.400	41.600	41.800	42.800	43.000	42.200
DEC	39.000	38.500	37.100	38.000	38.300	37.900
ANIDE	(MG/L)		DET'N L	IMIT = 0.001	GUIDELINE =	.200 (A1)
MAL	BOL	BOL		BOL		
FEB	BOL	BOL		BOL		
MAR	BOL	BOL		BOL		BOL
APR	BOL	BOL				BOL
HAY	BOL	BOL				BOL
JUN	.002 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
JUL	BOL	BOL				BOL
AUG	BOL	BOL		BOL		
SEP	BOL	BOL		BOL		
OCT	BOL	BOL		BOL		BOL
NOV	BOL	BOL		BOL		BOL
DEC	BDL	BOL		BOL		BOL
HLORIDE	(MG/L)		DET'N LI	IMIT = .200	GUIDELINE =	250 (A3)
JAN	!15	17,800		17.300		
FEB	16,900	18.000	18.200	18.200	•	•
MAR	14.000	15,100	15.500	15,400	15.500	15.400

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSENILL WTP) 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
	*************		STANDING	FREE FLOW	STANDING	FREE FLOW
APR	16.700	18.500			18.400	18.400
MAY	14.700	15.900	•	•	15.900	15.800
JUN	15,100	16.500	16.800	16.500	16.500	16.500
JON	15.100	17.300	10.800	10.300	17.100	17.100
AUG	14.600	16.300	16.500	16,300	17.100	17.100
SEP	14.600	16.200	16.200	115	•	
OCT	14.900	16.300	16.400	16.400	16,400	16.400
NOV	14.500	16.400	16.200	16.200	16.000	16.000
DEC	15.000	16.100	15.700	15.600	15.400	15.300
OLOUR (HZ	U)		DET'N LI	MIT = .5	GUIDELINE =	5.0 (A3)
JAN	IIS	.500 <t< td=""><td>5.000</td><td>9,500</td><td></td><td></td></t<>	5.000	9,500		
FEB	3.000	1.000 <t< td=""><td>6.000</td><td>10.500</td><td></td><td></td></t<>	6.000	10.500		
MAR	2.500	1.000 <t< td=""><td>7.500</td><td>8.000</td><td>6.500</td><td>6.000</td></t<>	7.500	8.000	6.500	6.000
APR	3,500	1.500 <t< td=""><td>, , , , ,</td><td></td><td>5.000</td><td>5.000</td></t<>	, , , , ,		5.000	5.000
MAY	1.500 <t< td=""><td>.500 <t< td=""><td></td><td>•</td><td>3.500</td><td>4.500</td></t<></td></t<>	.500 <t< td=""><td></td><td>•</td><td>3.500</td><td>4.500</td></t<>		•	3.500	4.500
JUN	3.500	1,500 <t< td=""><td>4.500</td><td>6.500</td><td>4.000</td><td>4.000</td></t<>	4.500	6.500	4.000	4.000
JUL	2.000 <7	.500 <t< td=""><td>4.500</td><td>0.300</td><td>3.000</td><td>3.000</td></t<>	4.500	0.300	3.000	3.000
AUG	2.000 <t< td=""><td>1.500 <t< td=""><td>2.000 <t< td=""><td>2,500</td><td>2,000</td><td></td></t<></td></t<></td></t<>	1.500 <t< td=""><td>2.000 <t< td=""><td>2,500</td><td>2,000</td><td></td></t<></td></t<>	2.000 <t< td=""><td>2,500</td><td>2,000</td><td></td></t<>	2,500	2,000	
SEP	2.000 <t< td=""><td>.500 <t< td=""><td>2,500</td><td>115</td><td>•</td><td>•</td></t<></td></t<>	.500 <t< td=""><td>2,500</td><td>115</td><td>•</td><td>•</td></t<>	2,500	115	•	•
OCT	2.000 <t< td=""><td>1.000 <t< td=""><td>3.500</td><td>3,500</td><td>3.000</td><td>3.500</td></t<></td></t<>	1.000 <t< td=""><td>3.500</td><td>3,500</td><td>3.000</td><td>3.500</td></t<>	3.500	3,500	3.000	3.500
NOV	1.500 <t< td=""><td>1.000 <t< td=""><td>3.000</td><td>3.500</td><td>6.000</td><td>6.000</td></t<></td></t<>	1.000 <t< td=""><td>3.000</td><td>3.500</td><td>6.000</td><td>6.000</td></t<>	3.000	3.500	6.000	6.000
DEC	1.500 <t< td=""><td>1.000 <t< td=""><td>3.500</td><td>3.500</td><td>5.500</td><td>6.000</td></t<></td></t<>	1.000 <t< td=""><td>3.500</td><td>3.500</td><td>5.500</td><td>6.000</td></t<>	3.500	3.500	5.500	6.000
ONDUCTIVI	TY (UMHO/CH)	••••••••	DET I	MIT = 1	GUIDELINE =	400 (F2)
JAN	115	320	324	318		
					•	•
FEB	321	326	329	330	****	207
MAR APR	280 323	287	295	290	304	293
	323 292	327	•	•	330	329
MAY JUN	292	296	201	201	296	295
		292	296	294	295	293
JUL	298	302		•	303	300
AUG SEP	282	285	290	287	•	
	289	290	292	118		*
OCT	294	298	301	299	304	299
NOV	293	309	312	. 309	307	305
DEC	305	308	305	303	302	301
.UORIDE (MG/L)		DET'N LI	MIT = .01	GUIDELINE =	2.400 (A1)
JAN	115	.120	.100	.100		
FEB	.120	.120	.100	.080		
MAR	.100	.100	.120	.120	.100	.120
APR	.140	.120			.140	.140
MAY	.120	.140			.120	.100
JUN	.120	.100	.060	.060	.060	.060
JUL	.140	.120			.120	.120
AUG	.120	.100	.120	.120		

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	.100	.100	.100	115		
OCT	.120	.120	.100	.100	.100	.100
NOV	.120	.100	.120	.080	.080	.100
DEC	.120	.100	.100	.100	.100	.100
HARDNESS	(MG/L)		DET'N LI	MIT = .500	GUIDELINE =	80-100 (A4)
JAN	115	139.000	137.000	139.000		
FEB	143.000	143.000	146.000	144.000		
MAR	123.000	126.000	129.000	127.000	129.000	129,000
APR	139.000	139.000			139.000	137.000
HAY	127.000	127.000			129.000	127.000
JUN	124,000	124.000	125.000	128,000	129.000	127.000
JUL	133.000	133.000			133.000	136,000
AUG	126.000	126.000	128,000	125.000		
SEP	128.000	128.000	129.000	115		
OCT	129.000	129,000	131.000	131.000	128.000	131.000
NOV	138,000	142.000	143.000	146.000	146.000	145.000
DEC	134.000	132.300	128.000	129.900	129.900	129.100
ONCAL (D	MNSLESS)		DET'N LII	HIT = N/A	GUIDELINE =	N/A
JAN	.000 NAF	.829	.000 NA	F .386		
FEB	.868	.310	1.450	.117	•	•
MAR	3.620	1.963	4.023	3.534	2.936	2.912
APR	.590	.309	4.023	3.354	.168	1.996
MAY	2.702	3.835	•	•	2.850	3.361
JUN	1.813	1.823	2.792	.607	.361	1.178
JUL	1.175	.376	2.172	.007	.234	2.494
AUG	.472	.659	.220	1,970	.234	2.474
SEP	1.064	.603				•
OCT	1.521		.536	.000 NAI		1.514
NOV	2.839	1.441	2.135	1.905	2.905	
DEC	1.976	3.065	5.136	2.750 3.574	4.672 3.347	3.819 3.824
ANGEL I ER	S INDEX (")	DET'N LII	HIT = N/A	GUIDELINE =	N/A
MAL		711	479 MA	207	(
		.311	.178 NA		•	•
FEB	.421	.335	.331	.274		
MAR	.235	. 155	.308	.269	.242	.369
APR	.625	.564	•	•	.639	.573
MAY	.374	.229		•	.297	.381
JUN	.178	. 155	.119	.269	.204	.237
JUL	.589	.542			.538	.561
AUG	.507	.226	.267	.233		•
SEP	.354	. 189	.277			
OCT	.395	.335	.374	.415	.373	.395
NOV	.396	.335	.376	.376	.307	.467
401	.559					

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAGNESIUM	(MG/L)		DET'N LI	IMIT = .050	GUIDELINE =	30 (F2)
MAL	!15	9.300	9.100	9.000		
FEB	9.500	9.500	9.400	9.500		
- MAR	8.100	8.200	8.500	8.200	8.500	8.400
APR	9.100	9,000			9.000	8.900
MAY	8.400	8.600			8.300	8.200
JUN	8.600	8.700	8.300	8.300	8.500	8.500
JUL	8.600	8.700			8.700	8.500
AUG	8.600	8.800	8.600	8.600		
SEP	8.700	8.600	8.300	115		
OCT	8.900	9.000	8.900	8.800	8.800	8.900
NOV	9.000	9.400	9.400	9.400	9.400	9.500
DEC	8.900	8.800	8.600	8.500	8.300	8.350
SODIUM (MG	G/L)		DET'N LI	MIT = .200	GUIDELINE =	200 (C3)
JAN	115	10.000	9,600	9.800		
FEB	10.400	10.200	10.600	10.600	•	•
MAR	8.000	8.000	8.400	8,200	8.400	8.200
APR	9,600	9.800	8.400	8.200	10.200	10.000
MAY	8.200	8.200	•	•	8,000	8,200
JUN	8.400	8,600	9.400	8,400	8.800	8.600
JUL	9.000	8.800	8.600	8.400	8.600	8,600
AUG	8.200	8.400	8.200	8.200	0.000	0.000
SEP	8.600	8.200	8,600	115	•	•
OCT	8.800	9.000	8,600	8.600	8.800	8,600
NOV	7.800	8,400	8.200	8.200	8,400	8.000
DEC	8.400	8.500	8.400	8.000	8.000	7.800
MHONIUM T	OTAL (MG/L	· · · · · · · · · · · · · · · · · · ·	DET'N LI	MIT = 0.002	GUIDELINE =	.05 (F2)
JAN	IIS	.002 <t< td=""><td>.354</td><td>.010</td><td></td><td></td></t<>	.354	.010		
FEB	.024	.028	.146	.024		
MAR	.012	.004 <t< td=""><td>.352</td><td>BOL</td><td>1.010</td><td>.002 <1</td></t<>	.352	BOL	1.010	.002 <1
APR	.036	BDL			.232	BOL
MAY	.022	BDL			.076	BOL
JUN	.008 <t< td=""><td>.002 <t< td=""><td>.174</td><td>BOL</td><td>.056</td><td>BDL</td></t<></td></t<>	.002 <t< td=""><td>.174</td><td>BOL</td><td>.056</td><td>BDL</td></t<>	.174	BOL	.056	BDL
JUL	.034	.008 <t< td=""><td>•</td><td></td><td>.082</td><td>.008 <</td></t<>	•		.082	.008 <
AUG	.014	.002 <t< td=""><td>.102</td><td>.002 <t< td=""><td></td><td></td></t<></td></t<>	.102	.002 <t< td=""><td></td><td></td></t<>		
SEP	.016	.002 <t< td=""><td>.130</td><td>115</td><td></td><td></td></t<>	.130	115		
OCT	.012	.004 <t< td=""><td>.186</td><td>.006 <t< td=""><td>.490</td><td>.002 <</td></t<></td></t<>	.186	.006 <t< td=""><td>.490</td><td>.002 <</td></t<>	.490	.002 <
NOV	BOL	BOL	.208	BOL	.092	BOL
DEC	BOL	BOL	.168	BDL	.044	BOL
ITRITE (M	IG/L)		DET'N LI	MIT = 0.001	GUIDELINE =	1.000 (A1)
JAN	IIS	.002 <7	.003 <1	.004 <t< td=""><td></td><td></td></t<>		
FEB	.007	.004 <t< td=""><td>.004 <1</td><td></td><td></td><td></td></t<>	.004 <1			
MAR	.007	.005	.006	.005	.005	.005
APR	.013	.003 <t< td=""><td></td><td></td><td>.004 <t< td=""><td>.004 <1</td></t<></td></t<>			.004 <t< td=""><td>.004 <1</td></t<>	.004 <1

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2		
			STANDING	FREE FLOW	STANDING	FRE	E FLOW
MAY	.017	.003 <t< td=""><td>•</td><td>•</td><td>.001</td><td></td><td>.001 <t< td=""></t<></td></t<>	•	•	.001		.001 <t< td=""></t<>
JUN	.007	.003 <t< td=""><td>.005</td><td>.004 <t< td=""><td>.003</td><td></td><td>.003 <t< td=""></t<></td></t<></td></t<>	.005	.004 <t< td=""><td>.003</td><td></td><td>.003 <t< td=""></t<></td></t<>	.003		.003 <t< td=""></t<>
JUL	.013	.003 <t< td=""><td>•</td><td>•</td><td>.004</td><td><t< td=""><td>.003 <t< td=""></t<></td></t<></td></t<>	•	•	.004	<t< td=""><td>.003 <t< td=""></t<></td></t<>	.003 <t< td=""></t<>
AUG	.DO3 <t< td=""><td>BOL</td><td>.001 <t< td=""><td>.001 <t< td=""><td>•</td><td></td><td>•</td></t<></td></t<></td></t<>	BOL	.001 <t< td=""><td>.001 <t< td=""><td>•</td><td></td><td>•</td></t<></td></t<>	.001 <t< td=""><td>•</td><td></td><td>•</td></t<>	•		•
SEP	.003 <t< td=""><td>BOL</td><td>BDL</td><td>118</td><td>•</td><td></td><td></td></t<>	BOL	BDL	118	•		
OCT	.008	.003 <t< td=""><td>.004 <t< td=""><td></td><td>.002</td><td></td><td>.003 <t< td=""></t<></td></t<></td></t<>	.004 <t< td=""><td></td><td>.002</td><td></td><td>.003 <t< td=""></t<></td></t<>		.002		.003 <t< td=""></t<>
NOV	.002 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td>.002 <t< td=""></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td>.002 <t< td=""></t<></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td>.002 <t< td=""></t<></td></t<>				.002 <t< td=""></t<>
DEC	.003 <t< td=""><td>.001 <t< td=""><td>.002 <t< td=""><td>.001 <t< td=""><td>.001</td><td><1</td><td>.001 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.002 <t< td=""><td>.001 <t< td=""><td>.001</td><td><1</td><td>.001 <t< td=""></t<></td></t<></td></t<></td></t<>	.002 <t< td=""><td>.001 <t< td=""><td>.001</td><td><1</td><td>.001 <t< td=""></t<></td></t<></td></t<>	.001 <t< td=""><td>.001</td><td><1</td><td>.001 <t< td=""></t<></td></t<>	.001	<1	.001 <t< td=""></t<>
TOTAL NIT	RATES (MG/L)	DET'N LIP	HIT = .020	GUIDELINE	= 10.000	(A1)
JÄN	IIS	.315	.765	.320			
FEB	.315	.330	.490	.350			
MAR	.245	.180	.600	.175	1.270		.185
APR	.445	.460			.775		.515
MAY	₋ 155	.140			.250		.150
JUN	.255	.230	.510	.230	.385		.285
JUL	.140	.120			.255		.155
AUG	.025	.010 <t< td=""><td>.190</td><td>.035</td><td></td><td></td><td></td></t<>	.190	.035			
SEP	.105	.100	.275	. 118			
OCT	.125	.140	.375	.120	.705		. 125
NOV	.185	.270	.520	.225	.330		.220
DEC	.245	.235	.435	.220	.295		.220
NITPOCEN	TOT KJELD (MG/L)	•			- N/A	
ATTROGER	IOI KSELD (HB/L	,	DEI'M EIP	IIT = .020	GUIDELINE	= M/A	
JAN	IIS	.170	.590	.170			•
FEB	.250	.190	.340	.170			
MAR	.220	. 180	.580	.170	1.570		.200
APR	.360	.230			.490		.230
MAY	.270	.180			.250		.160
JUN	.270	.180	.390	.170	.240		.150
JUL	.300	. 180			.240		.140
AUG	.250	.190	.330	.180			
SEP	.260	.180	.310	115			
OCT	.270	.170	.380	.180	.680		.170
NOV	.270	.150	.410	.130	.220		. 130
DEC	.310	.200	.460	.180	.290		.160
PH (DMNSLE	ss)		DET'N LIM	IIT = N/A	GUIDELINE	= 6.5-8.5	5(A4)
JAN	IIS	8,130	8.000	8.020			
FEB	8.200	8.130	8,110	8.060	·		
MAR	8.130	8.050	8,190	8,150	8,120		8.240
APR	8.430	8.370		0.150	8.440		8.380
HAY	8.230	8.110	•	•	8.160		8.250
JUN	8.070	8.070	8.010	8.150	8.080		8.130
JUL	8.410	8.390	0.010	0.150	8.380		8.390
AUG	8.380	8.130	8.150	8,130	5,380		0.370
SEP	8.210	8.070	8.150	0.130			•
	0.210	0.070	0.130	115			

TABLE 5

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STAND [NG	FREE FLOW
ОСТ	8,250	8.210	8.230	8.270	8.240	8.250
NOV	8.210	8.150	8.170	8.170	8.100	8.270
DEC	8.380	8.410	8.440	8.310	8.240	8.410
HOSPHORUS	FIL REACT (MG/	'L)	DET'N LI	MIT = .0005	GUIDELINE =	N/A
JAN	115	.070 <t< td=""><td></td><td></td><td></td><td></td></t<>				
FEB	.001 <t< td=""><td>.000 <t< td=""><td></td><td></td><td>•</td><td></td></t<></td></t<>	.000 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
MAR	.001 <t< td=""><td>.000 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
APR	.001 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
MAY	BDL	BDL				
JUN	BDL	BDL				
JUL	BDL	BDL				
AUG	BOL	BDL				
SEP	.001 <t< td=""><td>.000 <t< td=""><td>•</td><td>·</td><td></td><td></td></t<></td></t<>	.000 <t< td=""><td>•</td><td>·</td><td></td><td></td></t<>	•	·		
OCT	BDL	BDL		•	•	•
NOV	.003	.000 <t< td=""><td></td><td>•</td><td>•</td><td>•</td></t<>		•	•	•
DEC	.003	BOL	•	•	•	•
HOSPHORUS	TOTAL (MG/L)	DET'N LI	MIT = .002	GUIDELINE =	.40 (F2)
JAN	115	BDL			•	
FEB	.010	.002 <t< td=""><td>•</td><td></td><td>•</td><td>•</td></t<>	•		•	•
MAR	.007 <t< td=""><td>.002 <t< td=""><td>•</td><td></td><td></td><td></td></t<></td></t<>	.002 <t< td=""><td>•</td><td></td><td></td><td></td></t<>	•			
APR	.021	.005 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAY	.014	.003 <t< td=""><td>•</td><td></td><td>•</td><td></td></t<>	•		•	
JUN	.019	.011				
JUL	.010	.002 <t< td=""><td></td><td></td><td></td><td></td></t<>				
AUG	.010	.004 <t< td=""><td></td><td></td><td></td><td></td></t<>				
SEP	.013	.010				
OCT	.012	.003 <t< td=""><td></td><td></td><td>·</td><td></td></t<>			·	
NOV	.029	.002 <t< td=""><td></td><td>·</td><td></td><td></td></t<>		·		
DEC	.030	.002 <t< td=""><td></td><td>÷</td><td></td><td></td></t<>		÷		
ULPHATE (MG/L)		DET'N LI	MIT = .200	GUIDELINE =	500. (A3)
JAN	115	30.400	29.870	29.580		
FEB	27.010	30.680	30.860	31.730	•	•
MAR	18.900	23.250	22,170	21.990	21.890	21.980
APR	26.230	26.300	22.170	21.770	25.600	26.060
HAY	24.720	28.620	•	•		26.930
			24 190	24 740	26.700	
JUN	23.640	26.480	26.180	26.360	26.070	25.870
JUL	21.790	24.630	25 222	•	24.000	24.150
AUG	23.490	26.170	25.920	26.000	•	•
SEP	23.030	24.770	25.290	115	•	
OCT	23.730	26.600	26.650	25.960	25.750	25.870
NOV	24.610	29.920	29.110	30.060	28.720	28.310
DEC	25.210	28.710	28.160	27.610	27.400	27.430
URBIDITY	(FTU)		DETIN	MIT = .02	GUIDELINE =	4 00 (41)

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JAN	115	.440	.920	2,100		
FEB	3.200	. 280	1.280 RRV	2.600 RRV		
MAR	1.500	.350	1.300	1.050	1.050	.970
APR	3.100	.300			.800	.810
HAY	1.300	.300			.940	.710
JUN	2.600	.450	.780	.900	.620	.570
JUL	1.900	.620			.950	.740
AUG	1.200	.370	.260	.290		
SEP	1.150	.650	.500	115		
OCT	3.600	.400	.800	.770	.700	.720
NOV	17.000	.150 <t< td=""><td>.530</td><td>.480</td><td>-1.190</td><td>1.120</td></t<>	.530	.480	-1.190	1.120
DEC	17.300	.270	.510	.500	.910	.970

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSENILL WTP) 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	METALS		****************			
SILVER (U	G/L)			DET'N LIMIT = .020	GUIDELINE =	50. (A1)
JAN	BDL	.030 <t< td=""><td>.030 <1</td><td>BOL</td><td></td><td></td></t<>	.030 <1	BOL		
FEB	.070 <t< td=""><td>.030 <t< td=""><td>.070 <t< td=""><td>.070 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<>	.030 <t< td=""><td>.070 <t< td=""><td>.070 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.070 <t< td=""><td>.070 <t< td=""><td></td><td></td></t<></td></t<>	.070 <t< td=""><td></td><td></td></t<>		
MAR	BDL	BOL	BDL	.080 <t< td=""><td>BDL</td><td>BDL</td></t<>	BDL	BDL
APR	.040 <t< td=""><td>BDL</td><td></td><td></td><td>.050 <</td><td>T BDL</td></t<>	BDL			.050 <	T BDL
HAY	BDL	BDL			BDL	BDL
JUN	BDL	BDL	BDL	BOL	BDL	BDL
JUL	BDL	.050 <7			.040 <	
AUG	BDL	BOL	.330 <t< td=""><td>BDL</td><td></td><td></td></t<>	BDL		
SEP	! SM	BDL	.110 <7	_	•	•
OCT	BDL	BDL			BDL	BDL
			T> 060.	BDL		
NOV	BDL	.040 <t< td=""><td>.040 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<>	.040 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL
DEC	BOL	9DL	BDL	BDL	BDL	80L
ALUMINUM	(UG/L)			DET'N LIMIT = .050	GUIDELINE =	100.(A4)
JAN	185.600	56.840	46.400	41.760		
FEB	74.240	62.640	45.240	37.120		
MAR	52.200	84.680	64.960	59.160	66.120	67.280
APR	39.440	162,400			88.160	97,440
HAY	23.200	150.800			73.000	75.000
JUN	110.000	220.000	140.000	200.000	120.000	150.000
JUL	18.000	310.000	140.000	200.000	240.000	230.000
AUG	16.000	350.000	230.000	250.000	240.000	230.000
SEP	ISM	260.000	210.000	220.000	•	•
OCT	38.000				*20.000	120.000
		130.000	120.000	120.000	120.000	
NOV	130.000 130.000	79.000	67.000	59.000	62.000 .870 <	62.000 t 53.000
		62.000	51.000	45.000	.0/0 <	
ARSENIC (UG/L)			DET'N LIMIT = 0.05	O GUIDELINE :	50.0 (A1)
JAN	.390 <t< td=""><td>BDL</td><td>BOL</td><td>BDL</td><td></td><td></td></t<>	BDL	BOL	BDL		
FEB	1.200	.840 <t< td=""><td>.680 <t< td=""><td>.600 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.680 <t< td=""><td>.600 <t< td=""><td></td><td></td></t<></td></t<>	.600 <t< td=""><td></td><td></td></t<>		
HAR	1.100	.750 <1	.860 <t< td=""><td>.700 <t< td=""><td>.990 <</td><td>T> 098. T</td></t<></td></t<>	.700 <t< td=""><td>.990 <</td><td>T> 098. T</td></t<>	.990 <	T> 098. T
APR	1.200	1.100			.780 <	T .710 <t< td=""></t<>
MAY	.740 <t< td=""><td>.080 <t< td=""><td></td><td></td><td>8DL</td><td>.260 <t< td=""></t<></td></t<></td></t<>	.080 <t< td=""><td></td><td></td><td>8DL</td><td>.260 <t< td=""></t<></td></t<>			8DL	.260 <t< td=""></t<>
JUN	1.100	.860 <t< td=""><td>.640 <t< td=""><td>.820 <t< td=""><td>.700 <</td><td>T .710 <t< td=""></t<></td></t<></td></t<></td></t<>	.640 <t< td=""><td>.820 <t< td=""><td>.700 <</td><td>T .710 <t< td=""></t<></td></t<></td></t<>	.820 <t< td=""><td>.700 <</td><td>T .710 <t< td=""></t<></td></t<>	.700 <	T .710 <t< td=""></t<>
JUL	1.300	1.300			1,200	.950 <t< td=""></t<>
AUG	1.200	1.100	.650 <t< td=""><td>.710 <t< td=""><td></td><td></td></t<></td></t<>	.710 <t< td=""><td></td><td></td></t<>		
SEP	! SM	1.100	.760 <t< td=""><td>.600 <t< td=""><td>•</td><td>•</td></t<></td></t<>	.600 <t< td=""><td>•</td><td>•</td></t<>	•	•
aT.	.620 <t< td=""><td>.330 <1</td><td>.130 <t< td=""><td>.240 <t< td=""><td>.140 <</td><td>T BOL</td></t<></td></t<></td></t<>	.330 <1	.130 <t< td=""><td>.240 <t< td=""><td>.140 <</td><td>T BOL</td></t<></td></t<>	.240 <t< td=""><td>.140 <</td><td>T BOL</td></t<>	.140 <	T BOL
	.770 <t< td=""><td>2.300</td><td>1.900</td><td></td><td></td><td></td></t<>	2.300	1.900			
	.900 <t< td=""><td>.280 <t< td=""><td>.230 <t< td=""><td>.800 <t .280 <t< td=""><td>.740 <</td><td></td></t<></t </td></t<></td></t<></td></t<>	.280 <t< td=""><td>.230 <t< td=""><td>.800 <t .280 <t< td=""><td>.740 <</td><td></td></t<></t </td></t<></td></t<>	.230 <t< td=""><td>.800 <t .280 <t< td=""><td>.740 <</td><td></td></t<></t </td></t<>	.800 <t .280 <t< td=""><td>.740 <</td><td></td></t<></t 	.740 <	
BAFM (U	G/L)	••••••		DET'N LIMIT = 0.02		
J-n	27.000	22.000	22.000	20.000		
J-n FEB	27.000 22.000	22.000 21.000	22.000 22.000	20.000 21.000		•

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

TABLE 5

WATER TREATMENT PLANT

	RAW		TREATED		SITE 1				SITE 2			
					STANDING		FREE FLOW	s	TAND ING	FF	EE FLOW	
		• • • • •										• • • • •
APR	21.000		20.000						20.000		20.000	
MAY	23.000		23.000						23.000		24.000	
JUN	22.000		21.000		23.000		23.000		23.000		24.000	
JUL	24.000		23.000						24.000		24.000	
AUG	22.000		22.000		21.000		20.000					
SEP	ISH		22.000		22.000		22.000					
OCT	22.000		21.000		21.000		21.000		21.000		20.000	
NOV	23.000		23.000		23.000		22.000		21.000		20.000	
DEC	25.000		22.000		22.000		21.000		7.200		22.000	
BORON (UG	/L)			• • • • •			DET'N LIMIT =	0.200	MIDELINE	= 5000.	(A1)	••••
JAN	35.000		31.000		52.000		60.000					
FEB	26.000		32.000		88.000		63.000					
MAR	89.000		91.000		130.000		64.000		160.000		160.000	
APR	71.000		75.000						27.000		44.000	
MAY	20.000	<1	21.000						19.000	<t< td=""><td>46.000</td><td></td></t<>	46.000	
JUN	33.000		24.000		33.000		25.000		29.000		25.000	
JUL	51.000		45.000						50.000		51.000	
AUG	49.000		38.000		33.000		24.000					
SEP	I SM		47.000		20.000	<t< td=""><td>48.000</td><td></td><td></td><td></td><td></td><td></td></t<>	48.000					
OCT	22.000		24.000		22.000		25.000		28.000		22.000	
NOV	22.000		25.000		23.000		29.000		35.000		28.000	
DEC	23.000		23.000		23.000		21.000		22.000		24.000	
BERYLLIUM	(UG/L)					DET'N LIMIT =	0.010	SUIDELINE	= N/A		
JAN	.020	<t< td=""><td>BDL</td><td></td><td>.020</td><td><t< td=""><td>.020</td><td><t< td=""><td></td><td></td><td></td><td></td></t<></td></t<></td></t<>	BDL		.020	<t< td=""><td>.020</td><td><t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.020	<t< td=""><td></td><td></td><td></td><td></td></t<>				
FEB	BDL		.020	<1	.250	<t< td=""><td>.110</td><td><t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.110	<t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	.330	<t< td=""><td>.270</td><td><1</td><td>BDL</td><td></td><td>BDL</td><td></td><td>.030</td><td><t< td=""><td>BDL</td><td></td></t<></td></t<>	.270	<1	BDL		BDL		.030	<t< td=""><td>BDL</td><td></td></t<>	BDL	
APR	.220	<t< td=""><td>.140</td><td><t< td=""><td></td><td></td><td></td><td></td><td>.150</td><td><1</td><td>.120</td><td><t< td=""></t<></td></t<></td></t<>	.140	<t< td=""><td></td><td></td><td></td><td></td><td>.150</td><td><1</td><td>.120</td><td><t< td=""></t<></td></t<>					.150	<1	.120	<t< td=""></t<>
HAY	.030	<t< td=""><td>BDL</td><td></td><td></td><td></td><td></td><td></td><td>BDL</td><td></td><td>.080</td><td><t< td=""></t<></td></t<>	BDL						BDL		.080	<t< td=""></t<>
JUN	BDL		BDL		BDL		BDL		BDL		BDL	
JUL	.030	<7	.040	<t< td=""><td></td><td></td><td></td><td></td><td>.030</td><td><t< td=""><td>.060</td><td><t< td=""></t<></td></t<></td></t<>					.030	<t< td=""><td>.060</td><td><t< td=""></t<></td></t<>	.060	<t< td=""></t<>
AUG	.040	<1	BDL		.030	<1	BDL					
SEP	1,2M		.130	<t< td=""><td>BDL</td><td></td><td>.030</td><td><t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	BDL		.030	<t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	BDL		.040	<t< td=""><td>BDL</td><td></td><td>.020</td><td><t< td=""><td>.030</td><td><t< td=""><td>BDL</td><td></td></t<></td></t<></td></t<>	BDL		.020	<t< td=""><td>.030</td><td><t< td=""><td>BDL</td><td></td></t<></td></t<>	.030	<t< td=""><td>BDL</td><td></td></t<>	BDL	
NOV	BDL		.040	<t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>.070</td><td><t< td=""><td>BDL</td><td></td></t<></td></t<>	BDL		BDL		.070	<t< td=""><td>BDL</td><td></td></t<>	BDL	
DEC	BDL		BDL		BDL		BOL		8DL		BDL	
CADMIUM (JG/L)						DET'N LIMIT :	0.050	GUIDELINE	= 5.000	(A1)	
JAN	BDL		BOL		.060	<1	BDL					
FEB	BOL		BOL		BDL		BOL					
MAR	.060	<1	BDL		.210	<t< td=""><td>BDL</td><td></td><td>.060</td><td><1</td><td>BDL</td><td></td></t<>	BDL		.060	<1	BDL	
APR	.130	<1	BDL						.090	<1	.060	<t< td=""></t<>
MAY	.150	<1	.100	<t< td=""><td></td><td></td><td></td><td></td><td>BDL</td><td></td><td>BDL</td><td></td></t<>					BDL		BDL	
JUN	. 150	<t< td=""><td>.120</td><td><1</td><td>.110</td><td><t< td=""><td>BDL</td><td></td><td>.840</td><td></td><td>.470</td><td><t< td=""></t<></td></t<></td></t<>	.120	<1	.110	<t< td=""><td>BDL</td><td></td><td>.840</td><td></td><td>.470</td><td><t< td=""></t<></td></t<>	BDL		.840		.470	<t< td=""></t<>
JUL	.080	<t< td=""><td>BDL</td><td></td><td></td><td></td><td></td><td></td><td>.730</td><td></td><td>.580</td><td></td></t<>	BDL						.730		.580	
AUG	BDL		BDL		BOL		.060	<t< td=""><td></td><td></td><td></td><td></td></t<>				

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED		SITE 1		SITE 2		
				STANDING	FREE FLOW	STANDING	FREE FLOW	
			••••			••••••		
SEP	I SM	BDL		BDL	BDL			
OCT	BDL	BDL		BDL	BOL	.070		
NOV	BDL	.070	<t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>-</td></t<>	BDL	BDL	BDL	BDL	-
DEC	BDL	BDL		BDL	BDL	.060	<t .090<="" td=""><td><1</td></t>	<1
COBALT (U	G/L)				DET'N LIMIT = 0.020	GUIDELINE	= N/A	
MAL	.360	<t bdl<="" td=""><td></td><td>.050 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t>		.050 <t< td=""><td></td><td></td><td></td><td></td></t<>				
FEB	.290	<t .250<="" td=""><td><t< td=""><td>.300 <7</td><td>.290 <7</td><td></td><td></td><td></td></t<></td></t>	<t< td=""><td>.300 <7</td><td>.290 <7</td><td></td><td></td><td></td></t<>	.300 <7	.290 <7			
MAR	.080			.060 <t< td=""><td>.040 <7</td><td>.030</td><td></td><td></td></t<>	.040 <7	.030		
APR	.140	<t .080<="" td=""><td><1</td><td></td><td>•</td><td>.110</td><td></td><td></td></t>	<1		•	.110		
HAY	.290	<t .350<="" td=""><td><1</td><td>•</td><td>•</td><td>.250</td><td></td><td></td></t>	<1	•	•	.250		
JUN	.130			BOL	.190 <t< td=""><td>.170</td><td></td><td></td></t<>	.170		
JUL	.110				•	.120	<t .080<="" td=""><td><t< td=""></t<></td></t>	<t< td=""></t<>
AUG	.140			.080 <t< td=""><td></td><td>•</td><td>•</td><td></td></t<>		•	•	
SEP	ISM	.140	<1	.150 <t< td=""><td>.130 <t< td=""><td></td><td>•</td><td></td></t<></td></t<>	.130 <t< td=""><td></td><td>•</td><td></td></t<>		•	
OCT	-240			.110 <t< td=""><td></td><td>.090</td><td></td><td></td></t<>		.090		
NOV	.280			.170 <ī		.100		
DEC	.380	<t .120<="" td=""><td><t< td=""><td>.130 <t< td=""><td>.170 <t< td=""><td>BDL</td><td>.280</td><td><t< td=""></t<></td></t<></td></t<></td></t<></td></t>	<t< td=""><td>.130 <t< td=""><td>.170 <t< td=""><td>BDL</td><td>.280</td><td><t< td=""></t<></td></t<></td></t<></td></t<>	.130 <t< td=""><td>.170 <t< td=""><td>BDL</td><td>.280</td><td><t< td=""></t<></td></t<></td></t<>	.170 <t< td=""><td>BDL</td><td>.280</td><td><t< td=""></t<></td></t<>	BDL	.280	<t< td=""></t<>
CHROMIUM	(UG/L)				DET'N LIMIT = 0.100	GUIDELINE	= 50. (A1)	
JAN	1,700	.770	<t< td=""><td>2.800</td><td>3,500</td><td></td><td></td><td></td></t<>	2.800	3,500			
FEB	.250			6,900	4.200			
MAR	1,900	2.000		3.100	1,100	3,900	3,900	
APR		6.700				1.000	<t 2.700<="" td=""><td></td></t>	
HAY	.650					.710		
JUN	2,500			1.500	.440 <t< td=""><td>1.900</td><td>.650</td><td><t< td=""></t<></td></t<>	1.900	.650	<t< td=""></t<>
JUL	5.900	4.800				6.200	6.600	
AUG	5.000	2,900		2,000	.560 <t< td=""><td></td><td></td><td></td></t<>			
SEP	!SH	5.300		.390 <1	5.000			
OCT	.360	<t 1,400<="" td=""><td></td><td>.230 <t< td=""><td>1.300</td><td>3.700</td><td>.330</td><td><1</td></t<></td></t>		.230 <t< td=""><td>1.300</td><td>3.700</td><td>.330</td><td><1</td></t<>	1.300	3.700	.330	<1
NOV	.230	<t bdl<="" td=""><td></td><td>BDL</td><td>1.800</td><td>3.700</td><td>1.600</td><td></td></t>		BDL	1.800	3.700	1.600	
DEC	.750	<t bol<="" td=""><td></td><td>BDL</td><td>BDL</td><td>BDL</td><td>.780</td><td><t< td=""></t<></td></t>		BDL	BDL	BDL	.780	<t< td=""></t<>
COPPER (U	G/L)		••••	•••••	DET'N LIMIT = .100	GUIDELINE	= 1000 (A3)	
JAN	2.900	1.200		20.000	6.500			
FEB	1.800	1.600		29.000	5.700			
MAR	1.400	1.200		26,000	5.500	25.000	9.300	
APR	1.400	1.200				46.000	8.900	
MAY	6.800	1.400				20.000	10.000	
JUN	5.100	1.200		16.000	6.300	54.000	13.000	
JUL	1.300	1.100				36.000	9.400	
AUG	1.100	.880		23.000	5.500			
SEP	1SH	1,000		17,000	6.000			
OCT	1.300	1.100		21.000	6.200	27.000	5.500	
NOV	1.400	1.200		33.000	7.100	29.000	5.600	
DEC	1.500			26.000	7.100	5.000		

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

	RAW		TREATED		SITE 1		SITE 2	
					STANDING	FREE FLOW	STANDING	FREE FLOW
IRON (UG/L	.)					DET'N LIMIT :	4.000 GUIDELINE	= 300. (A3)
JAN	380.000		10.000	<₹	170.000	330.000	•	•
FEB	60.000		BDL		220.000	410.000	•	
HAR	37.000		BDL		260.000	300.000	210.000	200.000
APR	44.000		BDL		•	•	160.000	150.000
HAY	28.000	<t< td=""><td>9.400</td><td></td><td></td><td>•</td><td>130.000</td><td>130.000</td></t<>	9.400			•	130.000	130.000
JUN	73.000		13.000	<t< td=""><td>150.000</td><td>310.000</td><td>150.000</td><td>180.000</td></t<>	150.000	310.000	150.000	180.000
JUL	31.000	-	BDL				150.000	100.000
AUG	24.000	<Τ	BDL		33.000 <		•	•
SEP	ISH		BDL		97.000	110.000	~ ~	440.000
OCT	70.000		BDL	_	130.000	140.000	99.000	110.000
NOV	240.000		11.000	< T	97.000	120.000	230.000	230.000
DEC	250.000		BDL		100.000	130.000	BDL .	200.000
MERCURY (L	JG/L)					DET'N LIMIT :	= 0.010 GUIDELINE	= 1.000 (A1)
JAN	.050	-1	.070			.050	<t< td=""><td></td></t<>	
FEB	.060	\ 1	.050	~ T	•	.050		•
MAR	.060		.080	1	•	.070	•	BDL
APR	.060		.060		•		•	BDL
HAY	.040	eT.	.050	∠Τ	•	•	•	.020 <t< td=""></t<>
JUN	.090	"	.130	1	•	.070	•	.020 <t< td=""></t<>
JUL	.120		.110		•	.010	•	BDL
AUG	.100		.120		•	.060		
SEP	.050	∢T	.040	<t< td=""><td>•</td><td>.060</td><td>•</td><td></td></t<>	•	.060	•	
OCT	.110	-1	.050		•	.080		.020 <t< td=""></t<>
NOV	.070		.110	•	•	.080		BDL
DEC	.080		.060			.080		.030 <t< td=""></t<>
MANGANESE	(UG/L)		• • • •		DET'N LIHIT :	.050 GUIDELINE	= 50.0 (A3)
MAL	41,000		.710		10.000	16.000		
FEB	3.300		.380	<t< td=""><td>12.000</td><td>22.000</td><td>•</td><td></td></t<>	12.000	22.000	•	
MAR	2,900		.430		13.000	15.000	3.700	3.400
APR	4.500		.430		.3.000	13.000	2.500	2.400
MAY	3.400		.900	-,	•	•	2.900	3.000
JUN	5.000		.800		13.000	16.000	2.600	3.200
JUL	5.300		.570		13,000	10.000	13.000	2.100
AUG	4.800		.760		7.100	6.100	13.000	
SEP	1.000 1SM		2.400		12.000	13.000	•	•
OCT	8.400		.740		10,000	10.000	2.800	2,600
NOV	20.000		.790		7.300	8.600	3,400	3.400
DEC	17.000		.800		5.800	7.100	BDL	3.900
MOLYBDENUM	(UG/L)		• • • •		DET'N LIMIT :	= 0.020 GUIDELINE	= N/A
JAN	.690		1,200		1,200	1,100		
							•	
FEB	1.400		1.600		1.700	1.300		1 700
MAR	1.200		1.200		1.300	1.400	1.300	1.300
APR	1.200		1.200			•	1.100	1.000

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

	RAW	TREATED		SITE 1			SITE 2			
				STANDING		FREE FLOW	STANDING	FREE I	FLOW	
•••••										
HAY	1.400	1.500				•	1.300		1.500	
JUN	1.500	1.400		1.400		1.700	1.400		1.500	
JUL	1.400	1.600				•	1.400		1.400	
AUG	1.300	1.200		1.300		1.200				
SEP	I SN	1.500		1.400		1.500	•			
OCT	1.000	1.100		1.000		1.100	1.000		1.100	
NOV	.870	1.300		1.200		1.200	1.200		1.200	
DEC	.880	1.200		1.200		1.100	1.500		1.000	
NICKEL	(UG/L)					DET'N LIMIT = 0.100	GUIDELINE	= 50. (F3)		
JAN	2.000	<t .940<="" td=""><td><t< td=""><td>2.100</td><td></td><td>1.300 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<></td></t>	<t< td=""><td>2.100</td><td></td><td>1.300 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	2.100		1.300 <t< td=""><td></td><td></td><td></td><td></td></t<>				
FEB	2.000	<t 2.100<="" td=""><td></td><td>2.700</td><td></td><td>2.400</td><td></td><td></td><td></td><td></td></t>		2.700		2.400				
MAR	.320	<t .280<="" td=""><td><t< td=""><td>.600</td><td><1</td><td>.500 <t< td=""><td>.260</td><td><t< td=""><td>BOL</td><td></td></t<></td></t<></td></t<></td></t>	<t< td=""><td>.600</td><td><1</td><td>.500 <t< td=""><td>.260</td><td><t< td=""><td>BOL</td><td></td></t<></td></t<></td></t<>	.600	<1	.500 <t< td=""><td>.260</td><td><t< td=""><td>BOL</td><td></td></t<></td></t<>	.260	<t< td=""><td>BOL</td><td></td></t<>	BOL	
APR	.750	<t .950<="" td=""><td><t< td=""><td></td><td></td><td></td><td>.900</td><td><t< td=""><td>.550</td><td><t< td=""></t<></td></t<></td></t<></td></t>	<t< td=""><td></td><td></td><td></td><td>.900</td><td><t< td=""><td>.550</td><td><t< td=""></t<></td></t<></td></t<>				.900	<t< td=""><td>.550</td><td><t< td=""></t<></td></t<>	.550	<t< td=""></t<>
MAY	2.500					•	2.800		1.200	
JUN	1.300	<t 1.400<="" td=""><td><1</td><td>2.300</td><td></td><td>1.200 <t< td=""><td>1.400</td><td></td><td>1.100</td><td><t< td=""></t<></td></t<></td></t>	<1	2.300		1.200 <t< td=""><td>1.400</td><td></td><td>1.100</td><td><t< td=""></t<></td></t<>	1.400		1.100	<t< td=""></t<>
JUL	13.000	12.000				•	13.000		12.000	
AUG	.590			1.300	<₹	.580 <7				
SEP	I SH	.660		4.400		.760 <7			•	-
OCT	1.600			1.700		.560 <t< td=""><td>1.100</td><td></td><td>.580</td><td></td></t<>	1.100		.580	
NOV	1.300			2.100		.930 <t< td=""><td>2.700</td><td></td><td>.550</td><td></td></t<>	2.700		.550	
DEC	2.200	1.700	<t< td=""><td>2.400</td><td></td><td>1.700 <t< td=""><td>.210</td><td><1 </td><td>1.700</td><td><1</td></t<></td></t<>	2.400		1.700 <t< td=""><td>.210</td><td><1 </td><td>1.700</td><td><1</td></t<>	.210	<1 	1.700	<1
LEAD (L	JG/L)					DET'N LIMIT = 0.050	GUIDELINE	= 50. (A1)	
JAN	1.400	.070	<t< td=""><td>2.000</td><td></td><td>.390</td><td></td><td></td><td></td><td></td></t<>	2.000		.390				
FEB	.890	.310		3.000		1.100				
MAR	.400	.250		2.200		.520	3.600		.370	
APR	.300	.050	<t< td=""><td></td><td></td><td></td><td>2.200</td><td></td><td>.410</td><td></td></t<>				2.200		.410	
MAY	.270	BDL				•	1.200		.500	
JUN	.350	1.100		2.200		.710	1.700		.740	
JUL	.330	.050				•	1.900		1.800	
AUG	.170			1.600		.640	•		•	
SEP	!SM	.210		1.800		.800				
OCT	.290	.180		1.800		1.500	4.800		.560	
NOV		.150		2.100		.310	1.500	.e	.250	
DEC	1.700	.090	•••••	1.300		.370 <t< td=""><td>.250</td><td></td><td></td><td></td></t<>	.250			
ANTIMON	Y (UG/L					DET'N LIMIT = .050	CUIDELINE	= 146. (D4)	
JAN	.400	.500		.520		.470				
FEB	.850	.800		.920		.850				
MAR	.860	.700		.870		.780	.710		.970	
APR	.650	.700				•	.720		.670	
MAY	.730	.640				:	.710		.710	
JUN	.880	.650		.880		.990	.830		.900	
JUL	.550	.630				•	.660		.680	
AUG	.710	.610		.740		.610				
SEP	! SM	.690		.710		.660				

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

TABLE 5

WATER TREATMENT PLANT

THALLIUM (UG/L)

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
ОСТ	.550	.570	.600	.540	.580	.550
NOV	.330	.570	.650	.520	.440	.430
DEC	.550	.630	.520	.630	1.200	.850
ELENIUM	(UG/L)			DET'N LIMIT = 0.20	O GUIDELINE = 1	IO. (A1)
JAN	1.600 <t< td=""><td>1.300 <7</td><td>1.900 <7</td><td>1.600 <t< td=""><td></td><td></td></t<></td></t<>	1.300 <7	1.900 <7	1.600 <t< td=""><td></td><td></td></t<>		
FEB	.660 <t< td=""><td>.850 <t< td=""><td>1.800 <t< td=""><td>5.600 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<>	.850 <t< td=""><td>1.800 <t< td=""><td>5.600 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	1.800 <t< td=""><td>5.600 <t< td=""><td></td><td></td></t<></td></t<>	5.600 <t< td=""><td></td><td></td></t<>		
HAR	.510 <t< td=""><td>4.600 <t< td=""><td>3.500 <t< td=""><td>6.100 <t< td=""><td>2.800 <t< td=""><td>4.100</td></t<></td></t<></td></t<></td></t<></td></t<>	4.600 <t< td=""><td>3.500 <t< td=""><td>6.100 <t< td=""><td>2.800 <t< td=""><td>4.100</td></t<></td></t<></td></t<></td></t<>	3.500 <t< td=""><td>6.100 <t< td=""><td>2.800 <t< td=""><td>4.100</td></t<></td></t<></td></t<>	6.100 <t< td=""><td>2.800 <t< td=""><td>4.100</td></t<></td></t<>	2.800 <t< td=""><td>4.100</td></t<>	4.100
APR	2.100 <t< td=""><td>2.300 <t< td=""><td></td><td></td><td>2.000 <t< td=""><td>1.400</td></t<></td></t<></td></t<>	2.300 <t< td=""><td></td><td></td><td>2.000 <t< td=""><td>1.400</td></t<></td></t<>			2.000 <t< td=""><td>1.400</td></t<>	1.400
HAY	BOL	3.200 <t< td=""><td></td><td></td><td>.670 <t< td=""><td>1.800</td></t<></td></t<>			.670 <t< td=""><td>1.800</td></t<>	1.800
JUN	BDL	4.400 <t< td=""><td>3.300 <t< td=""><td>3.700 <t< td=""><td>3.900 <t< td=""><td>3.800</td></t<></td></t<></td></t<></td></t<>	3.300 <t< td=""><td>3.700 <t< td=""><td>3.900 <t< td=""><td>3.800</td></t<></td></t<></td></t<>	3.700 <t< td=""><td>3.900 <t< td=""><td>3.800</td></t<></td></t<>	3.900 <t< td=""><td>3.800</td></t<>	3.800
JUL	3.100 <t< td=""><td>5.600</td><td></td><td>•</td><td>5.200</td><td>5.700</td></t<>	5.600		•	5.200	5.700
AUG	1.500 <t< td=""><td>3.000 <t< td=""><td>3.500 <t< td=""><td>3.600 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<></td></t<>	3.000 <t< td=""><td>3.500 <t< td=""><td>3.600 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	3.500 <t< td=""><td>3.600 <t< td=""><td></td><td>•</td></t<></td></t<>	3.600 <t< td=""><td></td><td>•</td></t<>		•
SEP	1 SM	2.100 <t< td=""><td>1.900 <t< td=""><td>2.200 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	1.900 <t< td=""><td>2.200 <t< td=""><td></td><td></td></t<></td></t<>	2.200 <t< td=""><td></td><td></td></t<>		
OCT	BOL	BDL	1.100 <t< td=""><td>1.700 <t< td=""><td>BDL</td><td>BOL</td></t<></td></t<>	1.700 <t< td=""><td>BDL</td><td>BOL</td></t<>	BDL	BOL
NOV	BDL	2.400 <t< td=""><td>1.900 <t< td=""><td>1.400 <t< td=""><td>1.600 <t< td=""><td>1.200</td></t<></td></t<></td></t<></td></t<>	1.900 <t< td=""><td>1.400 <t< td=""><td>1.600 <t< td=""><td>1.200</td></t<></td></t<></td></t<>	1.400 <t< td=""><td>1.600 <t< td=""><td>1.200</td></t<></td></t<>	1.600 <t< td=""><td>1.200</td></t<>	1.200
DEC	BDL	BDL	1.600 <t< td=""><td>BDL</td><td>1.100 <t< td=""><td>BOL</td></t<></td></t<>	BDL	1.100 <t< td=""><td>BOL</td></t<>	BOL
TRONTIUM	(UG/L)			DET'N LIMIT = .050	GUIDELINE = N	I/A
JAN	190.000	180.000	170.000	170.000		
FEB	170.000	170.000	190.000	180.000		
MAR	160.000	170.000	170.000	160.000	170.000	170.000
APR	180.000	180.000	•		180.000	180.000
MAY	160.000	160.000		•	160.000	170.000
JUN	160.000	160.000	160.000	190.000	180.000	190.000
JUL	170.000	170.000			170.000	180.000
AUG	160.000	160.000	160.000	160.000		
SEP	ISM	170.000	170.000	170.000		
OCT	170.000	170.000	160.000	160.000	170.000	170.000
NOV	170.000	200.000	200.000	190.000	190.000	190.000
DEC	190.000	170.000	170.000	170.000	93.000	180.000
TANIUN	(UG/L)			DET'N LIMIT = .050	GUIDELINE = N	I/A
JAN	12.000	5.400	6.000	5.800		
FEB	7.900	6.300	5.900	5.800		
MAR	9.500	7.300	6.600	6.300	7.000	6.800
APR	3.100	2.200			2.000 <t< td=""><td>2.100</td></t<>	2.100
HAY	3.100	2.800			3.000	3.300
JUN	8.800	4.100	4.200	4.400	4.300	4.100
JUL	2.700	2.500			2,500	2.200
AUG	4.800	4.000	4.100	3.800		
SEP	ISM	6.400	6.000	6.000		
OCT	3.000	1.600 <t< td=""><td>1.600 <t< td=""><td>1.700 <t< td=""><td>1.600 <t< td=""><td>1.500</td></t<></td></t<></td></t<></td></t<>	1.600 <t< td=""><td>1.700 <t< td=""><td>1.600 <t< td=""><td>1.500</td></t<></td></t<></td></t<>	1.700 <t< td=""><td>1.600 <t< td=""><td>1.500</td></t<></td></t<>	1.600 <t< td=""><td>1.500</td></t<>	1.500
NOV	6.100	2.700	2.100	2.600	2.600	2.700
DEC	5.600	1.900 <t< td=""><td>1.900 <t< td=""><td>1.900 <t< td=""><td>.64D <t< td=""><td>2.500</td></t<></td></t<></td></t<></td></t<>	1.900 <t< td=""><td>1.900 <t< td=""><td>.64D <t< td=""><td>2.500</td></t<></td></t<></td></t<>	1.900 <t< td=""><td>.64D <t< td=""><td>2.500</td></t<></td></t<>	.64D <t< td=""><td>2.500</td></t<>	2.500

DET'N LIMIT = .010 GUIDELINE = 13. (D4)

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

TABLE 5

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
***********	***********		• • • • • • • • • • • • • • • • • • • •			
JAN	BDL	.020 <7	BDL	.020 <7		
FEB	.020 <t< td=""><td>BDL</td><td>BDL</td><td>BOL</td><td></td><td></td></t<>	BDL	BDL	BOL		
MAR	.030 <t< td=""><td>.100 <t< td=""><td>BDL</td><td>BDL</td><td>.040 <t< td=""><td>.040 <t< td=""></t<></td></t<></td></t<></td></t<>	.100 <t< td=""><td>BDL</td><td>BDL</td><td>.040 <t< td=""><td>.040 <t< td=""></t<></td></t<></td></t<>	BDL	BDL	.040 <t< td=""><td>.040 <t< td=""></t<></td></t<>	.040 <t< td=""></t<>
APR	BDL	.020 <t< td=""><td></td><td></td><td>.030 <7</td><td>.040 <t< td=""></t<></td></t<>			.030 <7	.040 <t< td=""></t<>
MAY	BOL	BOL			BDL	BDL
JUN	BDL	BDL	BOL	.020 <t< td=""><td>.020 <t< td=""><td>BOL</td></t<></td></t<>	.020 <t< td=""><td>BOL</td></t<>	BOL
JUL	BDL	BDL			BOL	BDL
AUG	.080 <7	.100 <t< td=""><td>BDL</td><td>.080 <t< td=""><td></td><td>•</td></t<></td></t<>	BDL	.080 <t< td=""><td></td><td>•</td></t<>		•
SEP	I SM	BDL	.020 <t< td=""><td>BOL</td><td></td><td>•</td></t<>	BOL		•
OCT	BDL	BOL	.030 <t< td=""><td>.030 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<>	.030 <t< td=""><td>BOL</td><td>BOL</td></t<>	BOL	BOL
NOV	BDL	.050 <t< td=""><td>BDL</td><td>.020 <t< td=""><td>.020 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	BDL	.020 <t< td=""><td>.020 <t< td=""><td>BDL</td></t<></td></t<>	.020 <t< td=""><td>BDL</td></t<>	BDL
DEC	BDL	BOL	BDL	BDL	BDL	BOL
URANIUM (UG,	/L)			DET'N LIMIT = .020	GUIDELINE = '	100.(81)
JAN	.340	.370		.260		
FEB	.640	.700	.630	.520		•
HAR	.480	.550	.500	.590	.430	.520
APR	.470	.500		•	.470	.510
HAY	.490	.380			.370	.400
JUN	.570	.560	.520	.510	.390	.520
JUL	.530	.530		•	.620	.550
AUG	.390	.460	.400	.480		•
SEP	I SM	.500	.480	.460		
OCT	.350	.300	.270	.270	.310	.250
NOV	.350	.360	.250	.230	.220	.170 <t< td=""></t<>
DEC	.340 <t< td=""><td>.320 <t< td=""><td>.250 <7</td><td>.300 <t< td=""><td>.090 <t< td=""><td>.230 <7</td></t<></td></t<></td></t<></td></t<>	.320 <t< td=""><td>.250 <7</td><td>.300 <t< td=""><td>.090 <t< td=""><td>.230 <7</td></t<></td></t<></td></t<>	.250 <7	.300 <t< td=""><td>.090 <t< td=""><td>.230 <7</td></t<></td></t<>	.090 <t< td=""><td>.230 <7</td></t<>	.230 <7
VANADIUM (UC	G/L)			DET'N LIMIT = .050	GUIDELINE =)	i/A
JAN	.650	.300 <t< td=""><td>.180 <7</td><td>.200 <7</td><td>•</td><td></td></t<>	.180 <7	.200 <7	•	
FEB	.390 <7	.430 <7	.310 <t< td=""><td>.360 <t< td=""><td></td><td></td></t<></td></t<>	.360 <t< td=""><td></td><td></td></t<>		
MAR	.190 <t< td=""><td>.160 <t< td=""><td>.200 <t< td=""><td>.180 <t< td=""><td>.220 <t< td=""><td>.190 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.160 <t< td=""><td>.200 <t< td=""><td>.180 <t< td=""><td>.220 <t< td=""><td>.190 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.200 <t< td=""><td>.180 <t< td=""><td>.220 <t< td=""><td>.190 <t< td=""></t<></td></t<></td></t<></td></t<>	.180 <t< td=""><td>.220 <t< td=""><td>.190 <t< td=""></t<></td></t<></td></t<>	.220 <t< td=""><td>.190 <t< td=""></t<></td></t<>	.190 <t< td=""></t<>
APR	.270 <t< td=""><td>.180 <7</td><td></td><td></td><td>.170 <7</td><td>.160 <7</td></t<>	.180 <7			.170 <7	.160 <7
MAY	.250 <t< td=""><td>.320 <t< td=""><td></td><td></td><td>.200 <7</td><td>.250 <t< td=""></t<></td></t<></td></t<>	.320 <t< td=""><td></td><td></td><td>.200 <7</td><td>.250 <t< td=""></t<></td></t<>			.200 <7	.250 <t< td=""></t<>
JUN	.380 <1	.400 <t< td=""><td>.300 <t< td=""><td>.320 <t< td=""><td>.210 <t< td=""><td>.270 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.300 <t< td=""><td>.320 <t< td=""><td>.210 <t< td=""><td>.270 <t< td=""></t<></td></t<></td></t<></td></t<>	.320 <t< td=""><td>.210 <t< td=""><td>.270 <t< td=""></t<></td></t<></td></t<>	.210 <t< td=""><td>.270 <t< td=""></t<></td></t<>	.270 <t< td=""></t<>
JUL	.270 <t< td=""><td>.450 <1</td><td></td><td></td><td>.330 <7</td><td>.310 <t< td=""></t<></td></t<>	.450 <1			.330 <7	.310 <t< td=""></t<>
AUG	.220 <t< td=""><td>.410 <t< td=""><td>.280 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.280 <t< td=""><td></td><td></td><td></td></t<></td></t<>	.280 <t< td=""><td></td><td></td><td></td></t<>			
SEP	1 SM	.310 <t< td=""><td>.260 <t< td=""><td>.250 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.260 <t< td=""><td>.250 <t< td=""><td></td><td></td></t<></td></t<>	.250 <t< td=""><td></td><td></td></t<>		
OCT	.250 <t< td=""><td>.320 <t< td=""><td>.230 <t< td=""><td>.210 <7</td><td>.260 <7</td><td>.230 <7</td></t<></td></t<></td></t<>	.320 <t< td=""><td>.230 <t< td=""><td>.210 <7</td><td>.260 <7</td><td>.230 <7</td></t<></td></t<>	.230 <t< td=""><td>.210 <7</td><td>.260 <7</td><td>.230 <7</td></t<>	.210 <7	.260 <7	.230 <7
NOV	.520	.370 <t< td=""><td>.210 <t< td=""><td>.200 <7</td><td>.270 <7</td><td>.220 <t< td=""></t<></td></t<></td></t<>	.210 <t< td=""><td>.200 <7</td><td>.270 <7</td><td>.220 <t< td=""></t<></td></t<>	.200 <7	.270 <7	.220 <t< td=""></t<>
DEC	.480 <t< td=""><td>.400 <t< td=""><td>.180 <t< td=""><td>.200 <7</td><td>.170 <t< td=""><td>.210 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.400 <t< td=""><td>.180 <t< td=""><td>.200 <7</td><td>.170 <t< td=""><td>.210 <t< td=""></t<></td></t<></td></t<></td></t<>	.180 <t< td=""><td>.200 <7</td><td>.170 <t< td=""><td>.210 <t< td=""></t<></td></t<></td></t<>	.200 <7	.170 <t< td=""><td>.210 <t< td=""></t<></td></t<>	.210 <t< td=""></t<>
ZINC (UG/L)	************		DET'N LIMIT = .001	GUIDELINE = 5	5000. (A3)
JAN	10.000	1.200	21.000	3.900		•
FEB	3.100	2.000	17.000	2,900		
MAR	2.400	2.100	11.000	3.100	72.000	10.000
APR	2.500	1.100			60.000	8.600
HAY	3.100	2.800			35.000	11.000
				-		

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	3.200	2.800	7,500	3.600	40.000	12.000
JUL	1.500	1.300			26.000	7.900
AUG	1.400	1.300	9.800	2.600		
SEP	ESM	1.600	11.000	2.500		
OCT	2.500	1.700	12.000	3.300	45.000	8.100
NOV	3.000	.980 <t< td=""><td>13.000</td><td>2.100</td><td>38.000</td><td>6.600</td></t<>	13.000	2.100	38.000	6.600
DEC	2.900	1.100 <t< td=""><td>8.400</td><td>2.000 <t< td=""><td>.610 <t< td=""><td>6.600</td></t<></td></t<></td></t<>	8.400	2.000 <t< td=""><td>.610 <t< td=""><td>6.600</td></t<></td></t<>	.610 <t< td=""><td>6.600</td></t<>	6.600

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
				FREE FLOW		FREE FLOW
• • • • • • • • • • • • • • • • • • • •	PES	TICIDES & PCB				
ALPHA BHC	(NG/L)		DET'N LI	MIT = 1.000	GUIDELINE =	700 (G)
JAN	1.000 <	T 2.000 <t< td=""><td></td><td>2.000 <t< td=""><td></td><td></td></t<></td></t<>		2.000 <t< td=""><td></td><td></td></t<>		
FEB	BDL	BOL		BOL		
MAR	BDL	1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td><td>3.000 <</td></t<></td></t<>		1.000 <t< td=""><td></td><td>3.000 <</td></t<>		3.000 <
APR	1.000 <	T 1.000 <t< td=""><td></td><td></td><td></td><td>BOL</td></t<>				BOL
MAY	BDL	BOL		•		BDL
JUN	1.000 <	T BDL		BOL		BOL
JUL	2.000 <	T 1.000 <t< td=""><td></td><td></td><td></td><td>BOL</td></t<>				BOL
AUG	1.000 <	T BDL		BDL		
SEP	BDL	BDL		80L		
OCT	1.000 <	T 1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td><td>1.000 <</td></t<></td></t<>		1.000 <t< td=""><td></td><td>1.000 <</td></t<>		1.000 <
NOV	1.000 <	T 1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td><td>BOL</td></t<></td></t<>		1.000 <t< td=""><td></td><td>BOL</td></t<>		BOL
DEC	BDL	BDL	•	BOL	•	BOL
INDANE (N	G/L)		DET'N LI	MIT = 1.000	GUIDELINE =	4000 (A1)
JAN	BDL	BDL		BOL		
FEB	BDL	BOL		BOL		
MAR	BDL	BOL		BOL		1.000
APR	BDL	BOL				BOL
HAY	BOL	BDL				BOL
JUN	BDL	BOL		BDL		BOL
JUL	BOL	BOL				BOL
AUG	BDL	BDL		BDL		
SEP	BDL	BDL		BOL		
CT	BOL	BDL		BDL		BOL
NOV	BDL	BDL		BOL		BOL
DEC	BDL	BDL		BOL		BOL

TABLE 5

. WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PHENOL1	cs				
PHENOLICS	(UG/L)		DET'N L	IMIT = 0.2	GUIDELINE = 2	2.00 (A3)
JAN	1.800	1,000				
FEB	1.800	1.800				
MAR	1.600	1.200				
APR	1.800	2.000				
HAY	.600 <t< td=""><td>.600 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.600 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JUN	1.000 <t< td=""><td>.800 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.800 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JUL	3.400	4.400				
AUG	1.000 <t< td=""><td>1.600</td><td></td><td></td><td></td><td></td></t<>	1.600				
SEP	2.400	1.800				
OCT	2.800	.800 <t< td=""><td></td><td></td><td></td><td></td></t<>				
NOV	2.000	1.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
DEC	.600 <t< td=""><td>2.000</td><td></td><td></td><td></td><td>•</td></t<>	2.000				•

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	VOLATIL	ES	•			
OLUENE (UG/	L)			DET'N LIMIT = .050	GUIDELINE = 2	4.0 (B4)
JAN	BOL	BDL		BDL		
FEB	BDL	BDL		BDL		
MAR	BDL	.100 <t< td=""><td></td><td>BOL</td><td></td><td>.050 <</td></t<>		BOL		.050 <
APR	BDL	BDL		•		BDL
HAY	BDL	BOL		•	•	BOL
TUN	.050 <t< td=""><td>.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.050 <</td></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.050 <</td></t<></td></t<>		.100 <t< td=""><td></td><td>.050 <</td></t<>		.050 <
JUL	BDL	BDL			•	BDL
AUG	.050 <t< td=""><td>.100 <t< td=""><td></td><td>BDL</td><td></td><td>•</td></t<></td></t<>	.100 <t< td=""><td></td><td>BDL</td><td></td><td>•</td></t<>		BDL		•
SEP	BDL	BDL		IU		
OCT	BDL	BDL		BDL		BOL
NOV	BDL	BDL		BDL		BOL
DEC	BDL	.100 <7	•	BDL	•	BDL
THYLBENZENE	(UG/L)			DET'N LIMIT = .050	GUIDELINE = 2	.4 (84)
JAN	BDL	BDL		BDL		
FEB	BDL	BDL		BDL		
MAR	8DL	BDL		BDL		.050 <
APR	BDL	BDL				BDL
MAY	BDL	BDL				.050 <
JUN	BDL	BDL		BDL		BOL
JUL	BDL	BDL		•		BDL
AUG	BDL	.050 <7		BDL		
SEP	BDL	BDL		IU		
OCT	BDL	BDL		BDL		BDL
NOV	BDL	BDL		BDL		BOL
DEC	BDL	BDL		8DL		BDL
-XYLENE (UG	/L)			DET'N LIMIT = .050	GUIDELINE = 3	00 (B4)
HAL	BDL	BDL		BOL		
FEB	BDL	BDL		BDL		
MAR	BDL	BDL		BDL		BDL
	50.0				•	BDL
	BDL	ROL	_			
APR	BDL BDL	BOL	•		•	BDL
APR MAY	BDL	BDL	•	•	•	BDL BDL
APR MAY JUN	BDL BDL	BDL BDL	•	BOL		
APR MAY JUN JUL	BDL BDL BDL	BDL BDL BDL	•	BDL -		BOL
APR MAY JUN JUL AUG	BDL BDL BDL BDL	BDL BDL BDL .050 <7	•	BDL BDL		BOL
APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL	BDL BDL BDL .050 <t BDL</t 	:	BDL BDL 1U		BOL BOL
APR MAY JUN JUL AUG SEP OCT	BDL BDL BDL BDL BDL BOL	BDL BDL BDL .050 <t BDL BDL</t 	:	BDL BDL 1U BDL		BOL BOL
APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL	BDL BDL BDL .050 <t BDL</t 		BDL BDL 1U		BOL BOL
APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL	BDL BDL .050 <t bdl="" bdl<="" td=""><td>:</td><td>BDL BDL BDL BDL</td><td>GUIDELINE = 4</td><td>BDL BDL BDL BDL BDL</td></t>	:	BDL BDL BDL BDL	GUIDELINE = 4	BDL BDL BDL BDL BDL
APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL	BDL BDL .050 <t BDL BDL BDL BDL</t 	:	BDL BDL BDL BDL BDL BDL BDL BDL BDL	GUIDELINE = 4	BDL BDL BDL BDL BDL
APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL	BDL BDL .050 <t bdl="" bdl<="" td=""><td></td><td>BDL BDL 1U BDL BDL BDL</td><td>GUIDELINE = 4</td><td>BDL BDL BDL BDL BDL</td></t>		BDL BDL 1U BDL BDL BDL	GUIDELINE = 4	BDL BDL BDL BDL BDL

TABLE 5

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
		• • • • • • • • • • • • • • • • • • • •				
APR	.050 <t< td=""><td>.200 <t< td=""><td>•</td><td>•</td><td>•</td><td>.150 <t< td=""></t<></td></t<></td></t<>	.200 <t< td=""><td>•</td><td>•</td><td>•</td><td>.150 <t< td=""></t<></td></t<>	•	•	•	.150 <t< td=""></t<>
MAY	.100 <t< td=""><td>.100 <t< td=""><td>•</td><td>•</td><td>•</td><td>.300 <7</td></t<></td></t<>	.100 <t< td=""><td>•</td><td>•</td><td>•</td><td>.300 <7</td></t<>	•	•	•	.300 <7
JUN	.050 <t< td=""><td>.100 <t< td=""><td>•</td><td>.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<></td></t<></td></t<>	.100 <t< td=""><td>•</td><td>.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<></td></t<>	•	.100 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<>		.050 <t< td=""></t<>
JUL	.200 <t< td=""><td>.150 <t< td=""><td>•</td><td>•</td><td>•</td><td>.100 <t< td=""></t<></td></t<></td></t<>	.150 <t< td=""><td>•</td><td>•</td><td>•</td><td>.100 <t< td=""></t<></td></t<>	•	•	•	.100 <t< td=""></t<>
AUG	.050 <t< td=""><td>.300 <1</td><td>•</td><td>BDL</td><td>•</td><td>•</td></t<>	.300 <1	•	BDL	•	•
SEP	.150 <t< td=""><td>BDL</td><td>•</td><td>เข</td><td></td><td>•</td></t<>	BDL	•	เข		•
OCT	.10D <t< td=""><td>BDL</td><td>•</td><td>BDL</td><td>•</td><td>BOL</td></t<>	BDL	•	BDL	•	BOL
NOV	.050 <t< td=""><td>BDL</td><td>•</td><td>BDL</td><td>•</td><td>BOL</td></t<>	BDL	•	BDL	•	BOL
DEC	BDL	.100 <7		.050 <1		.050 <7
CHLOROFORM	(UG/L)			DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN	.900 <7	17.400		9.200		
FEB	BDL	16.600		11.000		•
HAR	BDL	15.400		9.800		10.400
APR	.700 <t< td=""><td>30.700</td><td></td><td></td><td></td><td>23.100</td></t<>	30.700				23.100
MAY	BDL	16.800				10.300
JUN	BDL	28.800		22.300		18.500
JUL	BDL	26.500		•		18.300
AUG	BOL	20.700		16.700		•
SEP	BDL	22.300		10		
OCT	BDL	18.600		12.100		11.700
NOV	BDL	17.400		11.000		8.800
DEC	BDL	14.800	•	8.300	•	8.800
111, TRICH	LOROETHANE (UG/	.)		DET'N LIMIT = .020	GUIDELINE =	200 (D1)
JAN	.100 <7	BDL		.140 <t< td=""><td></td><td></td></t<>		
FEB	BDL	8DL		BDL		
MAR	BDL	BDL		BDL		BDL
APR	BOL	BOL				BDL
MAY	BDL	BOL		•		BDL
JUN	BDL	BDL		BDL		BDL
JUL	BDL	BDL				BDL
AUG	BDL	BDL		BDL		
SEP	BDL	BDL		ıυ		•
OCT	BDL	BDL		BDL		BDL
NOV	BOL	BDL		BDL		.020 <t< td=""></t<>
DEC	BDL	BDL		.020 <t< td=""><td>•</td><td>.040 <t< td=""></t<></td></t<>	•	.040 <t< td=""></t<>
CARBON TETI	RACHLORIDE (UG/L	.)		DET'N LIMIT = .200	GUIDELINE =	5.0 (D1)
JAN	BDL	BDL		.200 <t< td=""><td></td><td></td></t<>		
FEB	BDL	BDL		. BDL		
HAR	BDL	BDL		BDL		BDL
APR	8DL	BDL				BDL
HAY	BDL	BDL				BDL
JUN	BDL	BDL		BDL		BDL
JUL	BDL	BDL				BDL
AUG	BDL	BDL		BDL		

TABLE 5

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BOL	BOL	•	I U BOL	•	BDL.
OCT	BDL	BOL	•	BOL	•	BOL
NOV	BDL BDL	BOL BOL	•	BOL		BOL
DICHLOROBROM	IOMETHANE (UG/L	.)		DET'N LIMIT = .050	GUIDELINE =	350 (A1+)
JAN	.650	11.850		7.250		
FEB	BOL	11.750		8.450	•	•
MAR	BDL	10.150		7.450	•	7.350
APR	BDL	12.100		•		8.100
MAY	BDL	9.700				6.000
JUN	BDL	13.100		10.600		8.200
JUL	8DL	13.450				8.850
AUG	BOL	11.600		10.200		•
SEP	.200 <t< td=""><td>11.500</td><td></td><td>IU</td><td></td><td></td></t<>	11.500		IU		
OCT	BDL	11.500		9.050		7.700
NOV	BDL	11.600		7.900		6.900
DEC	BDL	10.400	•	6.600		7.100
CHLOROD I BROM	OMETHANE (UG/L	.)		DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN	_400 <t< td=""><td>4.600</td><td></td><td>3.300</td><td></td><td></td></t<>	4.600		3.300		
FEB	BDL	4.600	•	3.300	•	•
MAR	BDL	4.700	•	3.100	•	3.000
APR	BDL	3.500	•	3.100	•	2.100
				•	•	2.800
HAY	BDL	4.700		7.700	•	3.100
JUN	BDL	4.600		3.700	•	
JUL	BDL	5.400				3.600
AUG	BDL	5.200		4.400	•	•
SEP	.100 <t< td=""><td>5.300</td><td></td><td>U</td><td>•</td><td></td></t<>	5.300		U	•	
OCT	BDL	5.100	•	4.400		3.800
NOV	BDL	4.900	•	3.600	•	3.700
DEC	BDL	3.800		2.800		2.800
T-CHLOROETHY	LENE (UG/L	>		DET'N LIMIT = .050	GUIDELINE =	10.0 (C2)
JAN	BDL	BDL		.100 <7		
FEB	BDL	BDL		BOL		
MAR	BDL	BDL		BDL		BDL
APR	BDL	BOL				BOL
MAY	BDL	BDL				BOL
JUN	BDL	BDL		BDL		BOL
JUL	BDL	.050 <t< td=""><td></td><td></td><td></td><td>.050 <t< td=""></t<></td></t<>				.050 <t< td=""></t<>
AUG	BDL	.150 <7		BOL		
SEP	BDL	.100 <t< td=""><td>•</td><td>10</td><td></td><td></td></t<>	•	10		
OCT	BDL	BOL	•	BDL	•	BDL
NOV	BDL	BDL	•	BDL	•	BDL
DEC	BDL	BDL	•	BOL	•	- 80L
DEC	BUL	PDF	•	BUL		BUL.

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM FORT ERIE (ROSEHILL WTP) 1989

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
ROMOFORM (UG/L)			DET'N LIMIT = .200	GUIDELINE = 3	50 (A1+)
JAN	BDL	.400 <t< td=""><td></td><td>.400 <7</td><td></td><td></td></t<>		.400 <7		
FEB	BDL	.400 <t< td=""><td></td><td>.400 <t< td=""><td></td><td></td></t<></td></t<>		.400 <t< td=""><td></td><td></td></t<>		
MAR	BDL	BOL		.400 <t< td=""><td></td><td>.400</td></t<>		.400
APR	BDL	BOL		•		BOL
MAY	BDL	.400 <t< td=""><td></td><td></td><td></td><td>.200</td></t<>				.200
JUN	BDL	.400 <t< td=""><td></td><td>.200 <7</td><td></td><td>.200</td></t<>		.200 <7		.200
JUL	BDL	.600 <t< td=""><td></td><td></td><td></td><td>.400</td></t<>				.400
AUG	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td></td></t<></td></t<>		.600 <t< td=""><td></td><td></td></t<>		
SEP	BDL	.600 <t< td=""><td></td><td>IU</td><td></td><td></td></t<>		IU		
OCT	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.400</td></t<></td></t<>		.600 <t< td=""><td></td><td>.400</td></t<>		.400
NOV	BOL	.400 <t< td=""><td></td><td>BDL</td><td></td><td>.600</td></t<>		BDL		.600
DEC	BOL	1.200 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.400</td></t<></td></t<>		.400 <t< td=""><td></td><td>.400</td></t<>		.400
OTL TRIHAL	OMETHANES (UG/	L)		DET'N LIMIT = .500	GUIDELINE = 3	50 (A1)
JAN	1.950 <t< td=""><td>34.250</td><td></td><td>20.350</td><td></td><td></td></t<>	34.250		20.350		
FEB	BDL	33.350		23.150		•
MAR	BDL	30.250		20.750	•	21.150
APR	.700 <t< td=""><td>46.300</td><td></td><td>•</td><td></td><td>33.300</td></t<>	46.300		•		33.300
MAY	BDL	31.600				19.300
JUN	BDL	46.900		36.800	•	30.000
JUL	BDL	45.950		•		31.150
AUG	BDL	38.100		31.900		
SEP	BDL	39.700		!U		
OCT	BDL	35.800		26.150		23.600
NOV	BDL	34.300		22.500		20.000
DEC	BDL	30.200		18.000		19.100

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

		ETECTIO		THE
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
BACTERIOLOGICAL				•
BRCIENTOLOGICAL				
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0	(A1)
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/M	L(A1)
FILTRATION				
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100HL	0	5/100m	L(A1)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	
CHLOROAROMATICS				
HEXACHLOROBUTADIENE	NG/L	1.000	450.	(D4)
1,2,3-TRICHLOROBENZENE	NG/L	5.000	10000	(I)
1,2,3,4-TETRACHLOROBENZENE	NG/L	1.000	10000	(I)
1,2,3,5-TETRACHLOROBENZENE	NG/L	1.000	10000	(I)
1,2,4-TRICHLOROBENZENE	NG/L	5.000	10000	(I)
1,2,4,5-TETRACHLOROBENZENE	NG/L	1.000	38000	(D4)
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000	(D4)
HEXACHLOROBENZENE	NG/L	1.0	10.	(C1)
HEXACHLOROETHANE	NG/L	1.000	1900.	(D4)
OCTACHLOROSTYRENE	NG/L	1.000		
PENTACHLOROBENZENE	NG/L	1.000	74000	(D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000		
2,4,5-TRICHLOROTOLUENE	NG/L	5.000		
2,6,A-TRICHLOROTOLUENE	NG/L	5.000		
2,0,11 11120112011011011011011	,		·	
CHLOROPHENOLS				
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A	
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,4,5-TRICHLOROPHENOL	NG/L	50. 2	600000	(D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000.	(B4)
PENTACHLOROPHENOL	NG/L	50.	30000.	(B4)
CHEMISTRY (FLD)				
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD PH	DMSNLESS	N/A	6.5-8.	5(A4)
FIELD TEMPERATURE	°C	N/A	<15 °	C(A1)
FIELD TURBIDITY	FTU	N/A		(A1)
		•		
CHEMISTRY (LAB)				
ALKALINITY	MG/L	.200	30-50	00(A4)
CALCIUM	MG/L	.100		
CYANIDE	MG/L	.00	1 .2	20(A1)
CHLORIDE	MG/L	.200	250.	(A3)
COLOUR	TCU	. 5	5.0	(A3)
CONDUCTIVITY	UMHO/CM	1.	400.	
FLUORIDE	MG/L	.01		(A1)
HARDNESS	MG/L	.50		00 (A4)
MAGNESIUM	MG/L	.05	30.	(F2)

	D.	ETECTION
SCAN/PARAMETER	UNIT	LIMIT GUIDELINE
NITRITE	MG/L	.001 1.0 (A1)
TOTAL NITRATES	MG/L	.02 10. (A1)
NITROGEN TOTAL KJELDAHL	MG/L	.02 N/A
PH	DMSNLESS	N/A 6.5-8.5(A4)
PHOSPHORUS FIL REACT	MG/L	.0005 N/A
PHOSPHORUS TOTAL	MG/L	.002 .40(F2)
SULPHATE	MG/L	.200 500. (A3)
TOTAL SOLIDS	MG/L	1. 500. (A3)
TURBIDITY	FTU	.02 1.0 (A1)
METALS		
ALUMINUM	UG/L	.050 100. (A4)
ANTIMONY	UG/L	.050 10. (F3)
ARSENIC	UG/L	.050 50. (A1)
BARIUM	UG/L	.020 1000. (A1)
BORON	UG/L	.200 5000. (A1)
BERYLLIUM	UG/L	.010 0.20 (H)
CADMIUM	UG/L	.050 5.0 (A1)
COBALT	UG/L	.020 1000. (H)
CHROMIUM	UG/L	.100 50. (A1)
COPPER	UG/L	.100 1000. (A3)
IRON	UG/L	5.0 300. (A3)
MERCURY	UG/L	.01 1.0 (A1)
MANGANESE	UG/L	.050 50. (A3)
MOLYBDENUM	UG/L	.020 500. (H)
NICKEL	UG/L	.100 50. (F3)
LEAD	UG/L	.020 50. (A1)
SELENIUM	UG/L	.200 10. (A1)
SILVER	UG/L	.020 50. (A1)
STRONTIUM	UG/L	.100 2000. (H)
THALLIUM	UG/L	.010 13. (D4)
TITANIUM	UG/L	.100 N/A
URANIUM	UG/L	.020 20. (A2)
VANADIUM	UG/L	.020 100. (H)
ZINC	UG/L	.020 5000. (A3)
PHENOLICS		
PHENOLICS		
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2 2.0 (A3)
PESTICIDES & PCB		
ALDRIN	NG/L	1.0 700. (A1)
AMETRINE	NG/L NG/L	50. 300000. (D3)
ATRAZINE	NG/L	
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	50. 60000. (B3) 1.0 700. (G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L NG/L	1.0 700. (G)
GAMMA HEXACHLOROCYCLOHEXANE (LINDANE)		1.0 4000. (A1)
ALPHA CHLORDANE	NG/L	2.0 7000. (A1)
GAMMA CHLORDANE	NG/L	2.0 7000. (A1)
BLADEX	NG/L	100. 10000. (B3)
DIELDRIN	NG/L	2.0 700. (A1)
METHOXYCHLOR	NG/L	5.0 900000. (B1)
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0 74000. (D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0 74000. (D4)
ENDRIN	NG/L	4.0 200. (A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE	NG/L	4.0 N/A
		•

	D.	ETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDEI	LINE
BCRIV/ FRIGHTIER	20.11			
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.	80000.	(B2)
SIMAZINE	NG/L	50.	10000.	(£3)
SIMAZINE	1.0, 2			` '
POLYAROMATIC HYDROCARBONS				
	NG/L	10.0	N/A	
PHENANTHRENE	NG/L	1.0	N/A	
ANTHRACENE		20.0	42000.	(D4)
FLUORANTHENE	NG/L		N/A	(54)
PYRENE	NG/L	20.0	N/A	
BENZO(A)ANTHRACENE	NG/L	20.0 50.0	N/A	
CHRYSENE	NG/L	5.0		
DIMETHYL BENZO(A) ANTHRACENE	NG/L	_	N/A	
BENZO(E)PYRENE	NG/L	50.0	N/A	
BENZO(B)FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G,H,I)PERYLENE	NG/L	20.0	N/A	
DIBENZO (A, H) ANTHRACEN:	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B)CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
The second secon				
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)	,			
2.4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYB"TYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	•
DICAMBA	NG/L	100.	120000.	(B1)
	NG/L	100.	190000.	(B3)
PICLORAM	NG/L	50.	10000.	(A1)
SILVEX (2,4,5-TP)	NG/L	20.	20000.	(B1)
DIAZINON	NG/L	20.	N/A	(,
DICHLOROVOS	•	20.	N/A	
DURSBAN	NG/L	20.	35000.	(G)
ETHION	NG/L		20000.	(B1)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A		(B1)
MALATHION	NG/L	20.	190000.	(51)
MEVINPHOS	NG/L	20.	N/A	(31)
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	

	_	nan cartou		
SCAN/PARAMETER	UNIT	ETECTION LIMIT	GUIDE	T.TNR
SCAN/ FARAMETER	ONII	DIMII	GOIDE	2110
PARATHION	NG/L	20.	50000.	(B1)
PHORATE (THIMET)	NG/L	20.	2000.	(B3)
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM)	NG/L	2000.	350000.	(G)
DIALLATE	NG/L	2000.	30000.	(H)
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)	NG/L	2000.	245000.	(D3)
VOLATILES				
BENZENE	UG/L	.05	0 5.0	(B1)
TOLUENE	UG/L	.05	0 24.0	(B4)
ETHYLBENZENE	UG/L	.05	0 2.4	(B4)
PARA-XYLENE	UG/L	.10	0 300.	(B4)
META-XYLENE	UG/L	.10	0 300.	(B4)
ORTHO-XYLENE	UG/L	.05	0 300.	(B4)
1,1-DICHLOROETHYLENE	UG/L	.10	0 7.0	(D1)
ETHLYENE DIBROMIDE	UG/L	.05	.0	5 G)
METHYLENE CHLORIDE	UG/L	.50	0 50.	(B1)

BENZENE	UG/L	.050	5.0 (B1)
TOLUENE	UG/L	.050	24.0 (B4)
ETHYLBENZENE	UG/L	.050	2.4 (B4)
PARA-XYLENE	UG/L	.100	300. (B4)
META-XYLENE	UG/L	.100	300. (B4)
ORTHO-XYLENE	UG/L	.050	300. (B4)
1,1-DICHLOROETHYLENE	UG/L	.100	7.0 (D1)
ETHLYENE DIBROMIDE	UG/L	.05	.05 G)
METHYLENE CHLORIDE	UG/L	.500	50. (B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100	70. (D5)
1,1-DICHLOROETHANE	UG/L	.100	N/A
CHLOROFORM	UG/L	.100	350. (A1+)
1,1,1-TRICHLOROETHANE	UG/L	.020	200. (D1)
1,2-DICHLOROETHANE	UG/L	.050	5.0 (D1)
CARBON TETRACHLORIDE	UG/L	.200	5.0 (B1)
1,2-DICHLOROPROPANE	UG/L	.050	6.0 (D5)
TRICHLOROETHYLENE	UG/L	.100	50. (B1)
DICHLOROBROMOMETHANE	UG/L	.050	350. (Al+)
1,1,2-TRICHLOROETHANE	UG/L	.050	.60(D4)
CHLORODIBROMOMETHANE	UG/L	.100	350. (A1+)
TETRACHLOROETHYLENE	UG/L	.050	10.0 (C2)
BROMOFORM	UG/L	.200	350. (A1+)
1,1,2,2-TETRACHLOROETHANE	UG/L	.050	0.17(D4)
CHLOROBENZENE	UG/L	.100	60. (D5)
1,4-DICHLOROBENZENE	UG/L	.100	1.0 (B4)
1,3-DICHLOROBENZENE	UG/L	.100	130. (G)
1,2-DICHLOROBENZENE	UG/L	.050	3.0 (B4)
TRIFLUOROCHLOROTOLUENE	UG/L	.100	N/A
TOTAL TRIHALOMETHANES	UG/L	.500	350. (A1)
STYRENE	UG/L	.05	140. (D5)



